



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE
Silver Spring, Maryland 20910

7 DEC 2001

MEMORANDUM FOR PARTIES INTERESTED IN THE NPOESS
EMD/PRODUCTION ACQUISITION

FROM: John Inman, Contracting Officer
NPOESS Integrated Program Office
8455 Colesville Rd Ste 1450
Silver Spring MD 20910

SUBJECT: Release of Draft RFP F04701-02-R-0500 for the NPOESS
EMD/Production Acquisition

We are happy to release this draft RFP in support of the NPOESS EMD/Production acquisition. This document is still in draft form, and your comments and suggestions are welcome by noon on Thursday, Dec. 27, 2001. However, earlier responses are also welcome.

This document supersedes the early draft RFP issued on Sep. 24, 2001, and the Red Team draft RFP issued on Nov. 6, 2001.

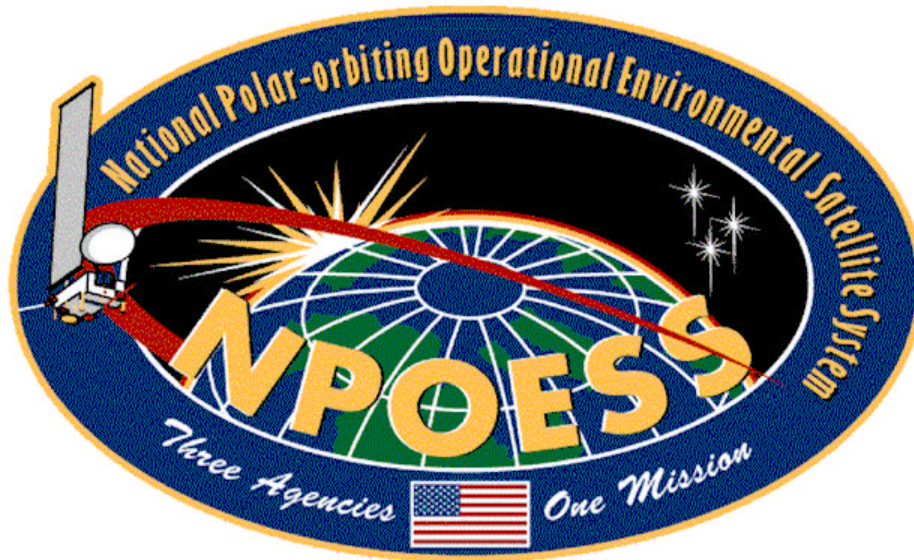
There is still work remaining to be done, and industry inputs on any part of the RFP are invited. Our desire is to release a first-class RFP on or about Feb. 1, 2002, with offers due on Mar. 15, 2002. You may provide comments on our approaches, alternate approaches, or completely different solutions. You may provide general suggestions for our consideration or specific text for inclusion in the final RFP. You may provide analysis and "what-if" discussions as you illustrate how our words might drive an offeror's behavior. In short, you may provide any information you think might be helpful as we complete the RFP. Electronic submissions to me at <john.inman@noaa.gov> are preferred.

We must direct particular attention to L-503, which requires a prospective offer to declare their intention to submit an offer. Our source selection methodology includes a ten-day program risk mitigation oral presentation, and the Government must have time to schedule these presentations.

We appreciate your interest in NPOESS and look forward to your inputs!



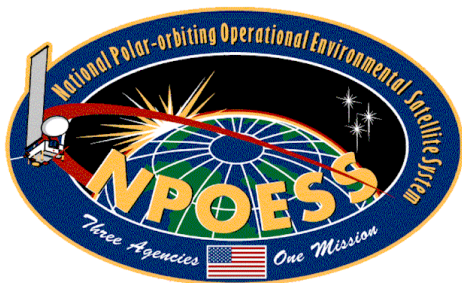
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NPOESS EMD/PRODUCTION DRAFT RFP (7 December)

Executive Summary	4 pages
The RFP—	
DD 1707 Information to Offerors	2 pages
Section A (SF 33)	Page 1
Section B (CLINs).....	Pages 3 – 14
Section C (Work Statement).....	Page 15
Section D (Packaging).....	Page 16
Section E (Inspection and Acceptance).....	Page 17-18
Section F (Deliveries or Performance.....	Pages 19 – 20
Section G (Contract Administration)	Page 21
Section H (Special Contract Requirements)	Pages 22 – 30
Section I (Contract Clauses).....	Pages 31 – 39
Section J (List of Attachments).....	Page 40
Section K (Reps and Certs).....	Pages K-1 – K-15
Section L (Instructions to Offerors)	Pages L-1 – L-3
Section M (Evaluation Factors for Award	Page M-1
RFP Attachment 1, Combined Sections L & M.....	71 pages
L&M Annex A, WBS	13 pages
L&M Annex B, Past Performance Questionnaire.....	13 pages
RFP Attachment 2, Statement of Objectives.....	5 pages
RFP Attachment 3, Award Fee and Mission Success Fee Plan.....	11 pages
RFP Attachment 4, Fee Risk Retirement Example	3 pages
RFP Exhibit A, CDRL	15 pages

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NPOESS EMD/PRODUCTION EXECUTIVE SUMMARY

7 DEC 2001

Program Overview

The National Polar-orbiting Operational Environmental Satellite System (NPOESS) program integrates the capabilities and products provided by the Department of Commerce (DOC) Polar-orbiting Operational Environmental Satellite (POES) Program, the Department of Defense (DoD) Defense Meteorological Satellite Program (DMSP), and the NASA long-term continuous climate record collection. This single converged system will satisfy the needs of defense, civil, commercial and scientific communities. The NPOESS mission is to provide timely and accurate data to numerous users for various operational, environmental and scientific applications.

A tri-agency Integrated Program Office (IPO) manages the NPOESS program. The IPO is concluding Program Definition and Risk Reduction (PDRR) activities initiated in 1997 that focused on developing system architectures and reducing risks, and is preparing to enter the Engineering and Manufacturing Development (EMD) and Production phase. The IPO plans to select a single contractor with Total System Performance Responsibility (TSPR) to accomplish the EMD and Production programs. During EMD, the TSPR contractor will manage completion of NPOESS sensor development; provide two satellite sensors and integration support to the joint IPO/NASA NPOESS Preparatory Project (NPP) mission; develop, deliver and support the Command, Control and Communication (C3) and Interface Data Processing (IDP) segments; develop, integrate, and deploy the NPOESS space segment; integrate the NPOESS space segment with the launch support segment; develop and deploy the NPOESS support system; develop, deploy and support the software portion of the NPOESS field terminals; conduct a progressive integration, test and acceptance program; and operate and maintain NPOESS through Initial Operational Capability (IOC), including on-going calibration and validation activities. During Production, the TSPR contractor will integrate and deploy additional satellites as needed through the program life.

The TSPR contract will be awarded in the third quarter of CY 2002. The funding profile shown in Figure 1 reflects the cumulative targets available to fund the TSPR contract in each Government Fiscal Year in the short term. However, the offeror's solution may exceed these targets in any year if adequate rationale is provided.

Cumulative Funding Profile								
	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
Cumulative (TY\$M)	60	406	870	1324	1780	2236	2544	2865

*Offeror's funding requirements shall be substantially compliant with this profile and any exceedence justified.

Includes all costs from the start of EMD to the end of the Mission Life, except as specifically excluded.
Excludes Government Program Office and Standard Launch Services.

Cost Element (BY02\$M)	Threshold	Objective
O&S	969	918
Acquisition	3153	2963

Includes all costs from the start of EMD to the end of the Mission Life, except as specifically excluded.
Excludes Government Program Office and Standard Launch Services.

Figure 1 Contract Funding Profile

Program Issues, Challenges and Risks

The results of the NPOESS PDRR phase and the NPOESS program acquisition strategy frame the IPO approach to selecting the TSPR contractor for EMD and production. The stringent technical requirements associated with meeting the needs of DoD, DOC, NASA, and the scientific and commercial communities mandate selection of a single system with excellent performance delivered through a rigorous and thorough design approach. Some of the most challenging requirements include the ability to accomplish parallel sensor and system development, manage complex system integration, and achieve an aggressive schedule for delivering sensors, C3 and IDP segments in support of NPP. The selection of a TSPR contractor with a demonstrated TSPR track record and proven system engineering, system integration, and risk management is a high priority.

Performing NPOESS development and production using the TSPR approach presents unique challenges. Although the TSPR contractor will have the authority to manage system configuration to achieve system level performance, the Government has identified specific sources for a number of sensors. Additionally, while system level performance is specified in terms such as precision and accuracy of specific Environmental Data Records (EDRs), the specific needs of specific NPOESS customers force the Government to maintain significant insight into development of Raw Data Records (RDRs) generated by the instruments and the subsequent processing of those RDRs to generate EDRs.

Source Selection Philosophy

The overarching objective of the NPOESS EMD and Production source selection process is to conduct a source selection focused on evaluating each offeror's ability to

successfully address key NPOESS systems engineering, integration, and risk reduction activities. Achieving this objective requires that the Government obtain a complete and thorough understanding of each competitor's offer, and that industry understands the Government's information requirements, how this information will be evaluated, and what it takes to win. The Government will minimize the effort required to respond to this Request For Proposal (RFP) by limiting the size of proposal documents, making maximum use of data developed and delivered during the PDRR phase, using the PDRR Preliminary Design Review and the fourth Ground Demonstration and making these part of source selection, and creating a source selection environment focused on communication.

Evaluation Criteria

Evaluation criteria for this source selection flow directly from the key NPOESS issues, challenges and risks. A balanced and integrated evaluation will be conducted on four factors: Mission Capability, Proposal Risk, Past Performance and Cost. Mission Capability, Proposal Risk and Past Performance are weighted equally, each greater than cost, reflecting the program's interest in balancing performance and risk and in selecting a contractor with proven TSPR capability capable of delivering a program of this magnitude on schedule and on cost. Within Mission Capability, four subfactors will be evaluated; (i) System Performance, (ii) Segment Design, (iii) Systems Engineering Integration & Test and Planning, and (iv) Management and Organization, all equally weighted. This evaluation structure is intended to identify and select a winning TSPR contractor with the following characteristics: proven capability to organize and direct the industrial team and to accept and execute TSPR; a program management organization with proven, team-wide management and control processes and tools; a pervasive, disciplined system engineering process focused on driving down risk and cost and managing complex system integration; detailed, integrated, risk-managed program plans and integrated management framework; and a design that delivers required performance.

Incentivization

The NPOESS EMD and Production program offers industry the opportunity to realize commercial rates of return. The EMD phase will be a cost reimbursement contract type. It will provide a base fee to ensure adequate cash flow for successful program execution, an Award Fee that provides substantial returns for successful technical, schedule and cost management, and a Mission Success Fee awardable on achievement of significant program events and on-orbit performance. The production line items will be fixed price incentive (FPI) options. During production, cost control is incentivized through a 50/50 share line; successful technical and schedule management is recognized through an Award Fee; and system reliability and durability rewarded through a Mission Success Fee.

Shared Ownership

The NPOESS program provides an opportunity to re-define how Government and industry cooperate to procure and deliver goods and services. The IPO has adopted the concept of shared ownership, a relationship between Government and industry where risk and returns are shared. This management approach depends upon highly integrated management teams to ensure adequate Government insight while maintaining TSPR by industry. Shared ownership offers the potential to harness the efficiency of commercial practices to significantly reduce the cost of major system acquisitions. Active industrial participation in every phase of developing the RFP and the framework of the source selection will contribute significantly to developing the shared ownership environment.

INFORMATION TO OFFERORS OR QUOTERS SECTION A - COVER SHEET		Form Approved OMB No. 9000-0002 Expires Oct 31, 2001										
The public reporting burden for this collection of information is estimated to average 35 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (9000-0002), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person will be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.												
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO THE ADDRESS IN BLOCK 4 BELOW.												
1. SOLICITATION NUMBER F04701-02-R-0500	2. (X one) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td>a. INVITATION FOR BID (IFB)</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>b. REQUEST FOR PROPOSAL (RFP)</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>c. REQUEST FOR QUOTATION (RFQ)</td> </tr> </table>	<input type="checkbox"/>	a. INVITATION FOR BID (IFB)	<input checked="" type="checkbox"/>	b. REQUEST FOR PROPOSAL (RFP)	<input type="checkbox"/>	c. REQUEST FOR QUOTATION (RFQ)	3. DATE/TIME RESPONSE DUE 15 MAR 2002 12 Noon				
<input type="checkbox"/>	a. INVITATION FOR BID (IFB)											
<input checked="" type="checkbox"/>	b. REQUEST FOR PROPOSAL (RFP)											
<input type="checkbox"/>	c. REQUEST FOR QUOTATION (RFQ)											
INSTRUCTIONS NOTE: The provision entitled "Required Central Contractor Registration" applies to most solicitations 1. If you are not submitting a response, complete the information in Blocks 9 through 11 and return to the issuing office in Block 4 unless a different return address is indicated in Block 7. 2. Offerors or quoters must include full, accurate, and complete information in their responses as required by this solicitation (including attachments). "Fill-ins" are provided on Standard Form 18, Standard Form 33, and other solicitation documents. Examine the entire solicitation carefully. The penalty for making false statements is prescribed in 18 U.S.C. 1001. 3. Offerors or quoters must plainly mark their responses with the Solicitation Number and the date and local time for bid opening or receipt of proposals that is in the solicitation document. 4. Information regarding the timeliness of response is addressed in the provision of this solicitation entitled either "Late Submissions, Modifications and Withdrawal of Bids" or "Instructions to Offerors - Competitive Acquisition".												
4. ISSUING OFFICE <i>(Complete mailing address, including Zip Code)</i> NPOESS INTEGRATED PROGRAM OFFICE 8455 COLESVILLE RD STE 1450 SILVER SPRING MD 20910	5. ITEMS TO BE PURCHASED <i>(Brief description)</i> NPOESS Engineering and Manufacturing Development (EMD) and Production -- Development and delivery of the complete NPOESS system, including Interim Contrator Support through IOC, and replenishment satellites through the program life.											
6. PROCUREMENT INFORMATION <i>(X and complete as applicable)</i>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input checked="" type="checkbox"/></td> <td>a. THIS PROCUREMENT IS UNRESTRICTED</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>b. THIS PROCUREMENT IS _____ % SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: _____</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>c. THIS PROCUREMENT IS _____ % SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: _____</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT.</td> </tr> </table>			<input checked="" type="checkbox"/>	a. THIS PROCUREMENT IS UNRESTRICTED	<input type="checkbox"/>	b. THIS PROCUREMENT IS _____ % SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: _____	<input type="checkbox"/>	c. THIS PROCUREMENT IS _____ % SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: _____	<input type="checkbox"/>	d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT.		
<input checked="" type="checkbox"/>	a. THIS PROCUREMENT IS UNRESTRICTED											
<input type="checkbox"/>	b. THIS PROCUREMENT IS _____ % SET-ASIDE FOR SMALL BUSINESS. THE APPLICABLE NAICS CODE IS: _____											
<input type="checkbox"/>	c. THIS PROCUREMENT IS _____ % SET-ASIDE FOR HUB ZONE CONCERNS. THE APPLICABLE NAICS CODE IS: _____											
<input type="checkbox"/>	d. THIS PROCUREMENT IS RESTRICTED TO FIRMS ELIGIBLE UNDER SECTION 8(a) OF THE SMALL BUSINESS ACT.											
7. ADDITIONAL INFORMATION NOTE: See L-503 FOR IMPORTANT INSTRUCTIONS TO INTERESTED PARTIES AND POTENTIAL OFFERORS.												
8. POINT OF CONTACT FOR INFORMATION												
a. NAME <i>(Last, First, Middle Initial)</i> JOHN M. INMAN		b. ADDRESS <i>(Include Zip Code)</i> See Block 4										
c. TELEPHONE NUMBER <i>(Include Area Code and Extension)</i> 301/427-2084 X162	d. E-MAIL ADDRESS john.inman@noaa.gov											
9. REASONS FOR NO RESPONSE <i>(X all that apply)</i>												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td>a. CANNOT COMPLY WITH SPECIFICATIONS</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>b. UNABLE TO IDENTIFY THE ITEM(S)</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>c. CANNOT MEET DELIVERY REQUIREMENT</td> </tr> </table>	<input type="checkbox"/>	a. CANNOT COMPLY WITH SPECIFICATIONS	<input type="checkbox"/>	b. UNABLE TO IDENTIFY THE ITEM(S)	<input type="checkbox"/>	c. CANNOT MEET DELIVERY REQUIREMENT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td>d. DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>e. OTHER <i>(Specify)</i></td> </tr> </table>		<input type="checkbox"/>	d. DO NOT REGULARLY MANUFACTURE OR SELL THE TYPE OF ITEMS INVOLVED	<input type="checkbox"/>	e. OTHER <i>(Specify)</i>
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10. MAILING LIST INFORMATION <i>(X one)</i> WE <input type="checkbox"/> DO <input type="checkbox"/> DO NOT DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE INVOLVED.												
11a. COMPANY NAME	b. ADDRESS <i>(Include Zip Code)</i>											
c. ACTION OFFICER												
(1) TYPED OR PRINTED NAME <i>(Last, First, Middle Initial)</i>	(2) TITLE											
(3) SIGNATURE		(4) DATE SIGNED <i>(YYYYMMDD)</i>										

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FROM

AFFIX
STAMP
HERE

SOLICITATION NUMBER F04701-02-R-0500	
DATE (YYYYMMDD) 15 MAR 2002	LOCAL TIME 12 Noon

SOLICITATION, OFFER AND AWARD				1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) ➡		RATING DX-A2		PAGE OF PAGES 1 40	
2. CONTRACT NO.		3. SOLICITATION NO. F04701-02-R-0500		4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED 07 DEC 2001		6. REQUISITION/PURCHASE NO.	
7. ISSUED BY CIK CODE FA8803 NPOESS INTEGRATED PROGRAM OFFICE 8455 COLESVILLE RD STE 1450 SILVER SPRING MD 20910 JOHN M. INMAN 301/427-2084 X162 JOHN.INMAN@NOAA.GOV				8. ADDRESS OFFER TO (If other than Item 7)					
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".									
SOLICITATION									
9. DRAFT SOLICITATION—COMMENTS AND SUGGESTIONS FROM PROSPECTIVE OFFERS ARE WELCOME. ALL PROSPECTIVE OFFERORS MUST READ L-503.									
10. FOR INFORMATION CALL: ➡		A. NAME See Block 7		B. TELEPHONE (Include area code) (NO COLLECT CALLS) See Block 7			C. E-MAIL ADDRESS See Block 7		
11. TABLE OF CONTENTS									
(√)	SEC.	DESCRIPTION		PAGE(S)	(√)	SEC.	DESCRIPTION		PAGE(S)
<i>PART I - THE SCHEDULE</i>					<i>PART II - CONTRACT CLAUSES</i>				
√	A	SOLICITATION/CONTRACT FORM		1	√	I	CONTRACT CLAUSES		31
√	B	SUPPLIES OR SERVICES AND PRICES/COSTS		3	<i>PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACH.</i>				
√	C	DESCRIPTION/SPECS./WORK STATEMENT		15	√	J	LIST OF ATTACHMENTS		40
√	D	PACKAGING AND MARKING		16	<i>PART IV - REPRESENTATIONS AND INSTRUCTIONS</i>				
√	E	INSPECTION AND ACCEPTANCE		17	√	K	REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS		K - 1
√	F	DELIVERIES OR PERFORMANCE		19	√	L	INSTRS, CONDS, AND NOTICES TO OFFERORS		L - 1
√	G	CONTRACT ADMINISTRATION DATA		21	√	M	EVALUATION FACTORS FOR AWARD		M - 1
√	H	SPECIAL CONTRACT REQUIREMENTS		22					
OFFER (Must be fully completed by offeror)									
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.									
12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date of receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.									
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8) ➡		10 CALENDAR DAYS %		20 CALENDAR DAYS %		30 CALENDAR DAYS %		CALENDAR DAYS %	
14. ACKNOWLEDGEMENTS OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:		AMENDMENT NO.		DATE		AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR		CODE		FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)			
15B. TELEPHONE NO. (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE			18. OFFER DATE		
AWARD (To be completed by Government)									
19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT		21. ACCOUNTING AND APPROPRIATION					
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()				23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ➡				ITEM	
24. ADMINISTERED BY (If other than Item 7) CODE				25. PAYMENT WILL BE MADE BY CODE					
26. NAME OF CONTRACTING OFFICER (Type or print)				27. UNITED STATES OF AMERICA (Signature of Contracting Officer)				28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0100	<p><i>Noun:</i> ENGINEERING AND MANUFACTURING DEVELOPMENT</p> <p><i>ACRN:</i> 9</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> R - COST PLUS AWARD FEE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i> Total System Performance Responsibility, including all labor, materials, facilities, overhead, and so forth, for the design, fielding, and testing of the NPOESS system resulting in declaration of Initial Operational Capability (IOC), as described in Section C or as may be directed by the contracting officer within the scope of this contract including delivery of CrIS and VIIRS sensors to NPP; the complete NPOESS space segment (C1 and C2); NPP & NPOESS IDP and C3 segments; launch support segment (including calibration and validation, integration to the EELV, and on-orbit checkout); and field terminal segment; and final delivery of all ground segment elements to support production satellites.</p> <p>\$_____ Estimated Cost</p> <p>\$_____ Award Fee Pool</p> <p>\$_____ Mission Success Fee Pool</p> <p>\$_____ Base Fee</p> <p>\$_____ Estimated Price</p>	1 LO	
010001	<p><i>Noun:</i> FY20__ DOD FUNDS</p>		
010002	<p><i>Noun:</i> FY20__ DOC FUNDS</p>		
010003	<p><i>Noun:</i> FY20__ DOD FUNDS</p>		
010004	<p><i>Noun:</i> FY20__ DOC FUNDS</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0200	<p><i>Noun:</i> PRE-IOC CONTRACTOR OPERATIONS & SUPPORT</p> <p><i>ACRN:</i> 9</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Contract type:</i> R - COST PLUS AWARD FEE</p> <p><i>Inspection:</i> DESTINATION</p> <p><i>Acceptance:</i> DESTINATION</p> <p><i>FOB:</i> DESTINATION</p> <p><i>Descriptive Data:</i> Contractor Operations and Support as described in Section C or as may be directed by the contracting officer within the scope of this contract from NPP Ground Readiness through declaration of IOC. Operating and maintaining C3 sites and systems, IDP sites and systems, processing data, maintaining and updating algorithms, maintaining the field terminal software, and operating and maintaining NPP and NPOESS satellites.</p> <p>\$_____ Estimated Cost</p> <p>\$_____ Award Fee Pool</p> <p>\$_____ Mission Success Fee Pool</p> <p>\$_____ Base Fee</p> <p>\$_____ Estimated Price</p>	1 LO	
020001	<p><i>Noun:</i> FY20__ DOD FUNDING</p>		
020002	<p><i>Noun:</i> FY20__ DOC FUNDING</p>		
020003	<p><i>Noun:</i> FY20__ DOD FUNDING</p>		
020004	<p><i>Noun:</i> FY20__ DOC FUNDING</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
1300	<p>OPTION CLIN</p> <p><i>Noun:</i> REPLENISHMENT SATELLITE (C3)</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i></p> <p>Production of the C3 satellite, including IA&T.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm, with Award Fee and Mission Success Fee</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>\$_____ Award Fee</p> <p>\$_____ Mission Success Fee</p> <p>Note: The Award Fee and Mission Success Fee are not included in the target or ceiling prices.</p> <p>The Government may exercise this option anytime between _____ and _____ for delivery at _____ after exercise of option.</p>		
1310	<p>OPTION CLIN</p> <p><i>Noun:</i> SATELLITE C3 MAINTENANCE, STORAGE, AND LAUNCH SUPPORT</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i></p> <p>Maintenance and storage of the C3 replenishment satellite until launch, and launch support including on-orbit check-out.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>The Government may exercise this option anytime between _____ and _____. The target price includes ____ months of storage. If this actual storage period differs, the target cost will be adjusted accordingly at a rate of \$_____ per month.</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
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1400 **OPTION CLIN**

Noun: REPLENISHMENT SATELLITE (C4)

NSN: N - Not Applicable

Descriptive Data:

Production of the C4 satellite, including IA&T.

Contract Type -- Fixed-Price-Incentive-Firm, with Award Fee and Mission Success Fee

\$_____ Target Cost

\$_____ Target Profit

\$_____ Target Price

\$_____ Ceiling Price

\$_____ Award Fee

\$_____ Mission Success Fee

Note: The Award Fee and Mission Success Fee are not included in the target or ceiling prices.

The Government may exercise this option anytime between _____ and _____ for delivery at _____ after exercise of option.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
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1410 **OPTION CLIN**

Noun: SATELLITE C4 MAINTENANCE, STORAGE, AND LAUNCH SUPPORT

NSN: N - Not Applicable

Descriptive Data:

Maintenance and storage of the C4 replenishment satellite until launch, and launch support including on-orbit check-out.

Contract Type -- Fixed-Price-Incentive-Firm

\$_____ Target Cost

\$_____ Target Profit

\$_____ Target Price

\$_____ Ceiling Price

The Government may exercise this option anytime between _____ and _____. The target price includes ____ months of storage. If this actual storage period differs, the target cost will be adjusted accordingly at a rate of \$_____ per month.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
1500	<p>OPTION CLIN</p> <p><i>Noun:</i> REPLENISHMENT SATELLITE (C5)</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i></p> <p>Production of the C5 satellite, including IA&T.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm, with Award Fee and Mission Success Fee</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>\$_____ Award Fee</p> <p>\$_____ Mission Success Fee</p> <p>Note: The Award Fee and Mission Success Fee are not included in the target or ceiling prices.</p> <p>The Government may exercise this option anytime between _____ and _____ for delivery at _____ after exercise of option.</p>		
1510	<p>OPTION CLIN</p> <p><i>Noun:</i> SATELLITE C5 MAINTENANCE, STORAGE, AND LAUNCH SUPPORT</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i></p> <p>Maintenance and storage of the C5 replenishment satellite until launch, and launch support including on-orbit check-out.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>The Government may exercise this option anytime between _____ and _____. The target price includes ____ months of storage. If this actual storage period differs, the target cost will be adjusted accordingly at a rate of \$_____ per month.</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
1600	<p>OPTION CLIN</p> <p><i>Noun:</i> REPLENISHMENT SATELLITE (C6)</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i></p> <p>Production of the C6 satellite, including IA&T.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm, with Award Fee and Mission Success Fee</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>\$_____ Award Fee</p> <p>\$_____ Mission Success Fee</p> <p>Note: The Award Fee and Mission Success Fee are not included in the target or ceiling prices.</p> <p>The Government may exercise this option anytime between _____ and _____ for delivery at _____ after exercise of option.</p>		
1610	<p>OPTION CLIN</p> <p><i>Noun:</i> SATELLITE C6 MAINTENANCE, STORAGE, AND LAUNCH SUPPORT</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i></p> <p>Maintenance and storage of the C6 replenishment satellite until launch, and launch support including on-orbit check-out.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>The Government may exercise this option anytime between _____ and _____. The target price includes ____ months of storage. If this actual storage period differs, the target cost will be adjusted accordingly at a rate of \$_____ per month.</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
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2100 OPTION CLIN

Noun: TSPR POST-IOC CONTRACTOR OPERATIONS & SUPPORT

NSN: N - Not Applicable

Descriptive Data:

Contractor operations and support as described in Section C or as may be directed by the contracting officer within the scope of this contract from declaration of IOC through June 2018. Operating and maintaining C3 sites and systems, IDP sites and systems, processing data, maintaining and updating algorithms, maintaining the field terminal software, and operating and maintaining all NPOESS satellites.

Contract Type -- Fixed-Price Incentive Firm

\$_____ Target Cost

\$_____ Target Profit

\$_____ Target Price

\$_____ Ceiling Price

The Government may exercise this option anytime between _____ and _____.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
2200	<p>OPTION CLIN</p> <p><i>Noun:</i> TRANSITION TO POST-IOC OPERATIONS AND SUPPORT</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i> Transition Plan, Failure Data, Upgrades to Operators Manuals, Training Manuals, one year's supply of spare parts, and all other materials and data necessary to transition from Pre-IOC Contractor Operations and Support to Government operations or for competitive use upon declaration of IOC.</p> <p>Contract Type -- Cost-Plus-Award-Fee</p> <p>\$_____ Estimated Cost</p> <p>\$_____ Award Fee Pool</p> <p>\$_____ Estimated Price</p> <p>Option may be exercised on or before 1 Feb 2008 with delivery at 1 Feb 2010 with updates as necessary through declaration of IOC.</p>		
2210	<p>OPTION CLIN</p> <p><i>Noun:</i> TSPR POST-IOC SUPPORT OCT 2011 TO SEP 2013</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i> Sustaining engineering and other efforts to maintain TSPR responsibility after IOC, even though Post-IOC O&S may be performed by the Government or another contractor.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>The Government may exercise this option anytime between _____ and _____.</p>		
2120	<p>OPTION CLIN</p> <p><i>Noun:</i> TSPR POST-IOC SUSTAINING ENGINEERING OCT 2013-SEP 2016</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i> Sustaining engineering and other efforts to maintain TSPR responsibility after IOC, even though Post-IOC O&S may be performed by the Government or another contractor.</p> <p>Contract Type -- Fixed-Price-Incentive-Firm</p> <p>\$_____ Target Cost</p> <p>\$_____ Target Profit</p> <p>\$_____ Target Price</p> <p>\$_____ Ceiling Price</p> <p>The Government may exercise this option anytime between _____ and _____.</p>		

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
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2240

OPTION CLIN

Noun: TSPR POST-IOC SUPPORT OCT 2016 TO JUN 2018

NSN: N - Not Applicable

Descriptive Data:

Sustaining engineering and other efforts to maintain TSPR responsibility after IOC, even though Post-IOC O&S may be performed by the Government or another contractor.

Contract Type -- Fixed-Price-Incentive-Firm

\$_____ Target Cost

\$_____ Target Profit

\$_____ Target Price

\$_____ Ceiling Price

The Government may exercise this option anytime between _____ and _____.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
3100	<p><i>Noun:</i> SPECIAL STUDIES, FIRM-FIXED-PRICE</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i> Special Studies which are FFP will be recorded as lettered subCLINs under this CLIN, as negotiated at the time.</p>		
3200	<p><i>Noun:</i> SPECIAL STUDIES, COST-PLUS-FIXED-FEE</p> <p><i>NSN:</i> N - Not Applicable</p> <p><i>Descriptive Data:</i> Special Studies which are CPFF will be recorded as lettered subCLINs under this CLIN, as negotiated at the time.</p>		

NOTES TO OFFERORS:

1. References to EMD satellites C1 & C2 and Productions satellites C3, C4, C5, & C6 represent the Government's reference architecture. Within the guidelines of the TRD, the offeror's number of satellites may vary. If so, the offeror must propose a CLIN structure to accommodate its solution.
2. An offeror's solution may include advance procurement funding for long-lead items for Production satellites. Advance procurement may be considered for up to 20% of a replenishment satellite target cost within two years before the date set for exercise of the full funding option. In such a case, the offeror must propose an option CLIN for each advance procurement action, year and satellite. The descriptive data for each such option shall include the purpose of the advance procurement funding.
3. This draft RFP contains options for two post-IOC O&S solutions (CLIN 2100 for complete O&S responsibilities; and CLINs 2200, 2210, 2220, and 2240 for sustaining engineering with O&S provided by another source). Prospective offerors are invited to comment on all parts of the RFP, but comments on this approach are particularly invited.

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT
CONTRACT CLAUSES**

5352.232-9001 IMPLEMENTATION OF LIMITATION OF FUNDS (AFMC) (JUL 1997)

Para (a), CLINs: '_____'

Para (a), Time Period ("through" date) : '_____'

Para (a), Sum allotted to this contract and available for payment of costs is '_____'

Para (b), Additional amount obligated is '_____'

Para (b), CLINs: '_____'

Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

**A. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT
CLAUSES IN FULL TEXT**

5352.216-9001 PAYMENT OF FEE (AFMC) (CPFF) (JUL 1997)

The estimated cost and fee for special study CPFF CLINs will be shown in the subCLIN description. The applicable fixed fee set forth therein may be increased or decreased only by negotiation and modification of the contract for added or deleted work. As determined by the contracting officer, it shall be paid as it accrues, in regular installments based upon the percentage of completion of work.

Applies to Cost-Plus-Fixed-Fee CLIN(s) only.

B. OTHER CONTRACT CLAUSES IN FULL TEXT

B030 CONTRACT TYPE: FIXED- PRICE- INCENTIVE -- FIRM TARGET (FEB 1997)

The target cost, target profit, and target price contemplated by the contract clause entitled, "Incentive Price Revision-- Firm Target," are set forth within the CLIN description of FPIF CLINs. The contract line items subject to price revision, ceiling price, and the profit adjustment formula are set forth in 52.216-16.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

B038 CONTRACT TYPE: COST-PLUS-AWARD-FEE (FEB 1997)

Contractor shall be reimbursed for performance of this contract in accordance with the contract clauses and the following additional terms:

(a) The total estimated cost of performance, Base Fee, Award Fee pool, and Mission Success Fee pool are provided in the CPAF CLIN descriptions

(b) The Award Fee and Mission Success Fee earned-to-date are found in Annexes 2 and 4 of the Award Fee and Mission Success Fee Plan, attached to this contract.

Applies to Cost-Plus-Award-Fee CLIN(s) only.

B-501 BASE FEE

The EMD portion of this contract includes a base fee. The contractor may invoice monthly for an amount equal to one-twelfth of that fiscal year's base fee amount. Fiscal year is the Government's fiscal year (October through September).

YEAR	ANNUAL AMOUNT	CLIN 0100	CLIN 0200	
FY03	\$_____	\$_____	n/a	
FY04	\$_____	\$_____	n/a	
FY05	\$_____	\$_____	\$_____	
FY06	\$_____	\$_____	\$_____	(OFFEROR INPUTS FIGURES BASED ON 2% OF THE EMD ESTIMATED COST (CLINs 0100 AND 0200) PER YEAR
FY07	\$_____	\$_____	\$_____	
FY08	\$_____	\$_____	\$_____	
FY09	\$_____	\$_____	\$_____	
FY10	\$_____	\$_____	\$_____	
FY11	\$_____	\$_____	\$_____	
TOTAL	\$_____	\$_____	\$_____	

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. OTHER CONTRACT CLAUSES IN FULL TEXT

C-502 WORK DESCRIPTION (NOV 2001)

The Integrated Master Plan (IMP) (OFFEROR INPUT DATE) and System Specification (OFFEROR INPUT DATE) constitute the work description for this contract, and are incorporated hereinto.

NO CLAUSES OR PROVISIONS IN THIS SECTION

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.246-02 INSPECTION OF SUPPLIES -- FIXED-PRICE (AUG 1996)
52.246-08 INSPECTION OF RESEARCH AND DEVELOPMENT -- COST-REIMBURSEMENT (MAY 2001)
52.246-16 RESPONSIBILITY FOR SUPPLIES (APR 1984)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

52.246-7000 MATERIAL INSPECTION AND RECEIVING REPORT (DEC 1991)

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

OTHER CONTRACT CLAUSES IN FULL TEXT

E001 REQUIREMENTS FOR DATA ACCEPTANCE (FINAL DD FORM 250) (MAY 1997)

The Contractor shall prepare and submit a final DD Form 250 on a one-time basis collectively accounting for all completed Exhibit Line/Subline Items which called for submission of the data by letter of transmittal. The DD Form 250 shall include a list and an account of all data submitted by letter of transmittal and approved by the Government during the reporting period.

E006 RECEIVING REPORT (DD FORM 250) MAILING ADDRESS (APR 1998)

(a) Submit original DD Form(s) 250 for all items deliverable under this contract (e.g. hardware, software, exhibit line items, status reports, services, etc.) to the following address:

NPOESS IPO (Attn: EMD/Production Contracting Officer), 8455 Colesville Road Suite 1450, Silver Spring MD 20910

(b) In addition, a copy of the DD Form 250 shall accompany each shipment for all deliverable items. Shipment addresses are specified in Section F of the schedule and/or on the Contract Data Requirements List.

(c) PROCESSING STATUS. Any inquiry as to the processing status of a DD Form 250 should be made to the following office:

SAME AS ABOVE

E007 INSPECTION AND ACCEPTANCE AUTHORITY (APR 1998)

Inspection and acceptance for all Contract and Exhibit Lines or Subline Items shall be accomplished by the NPOESS Associate Director for Acquisition or his or her designee.

E-501 INITIAL OPERATIONAL CAPABILITY

The NPOESS Program Director shall declare Initial Operational Capability (IOC) when—

(a) NPOESS satellites are operational in two different orbital planes;

- (b) The EDR attributes associated with those two orbits are satisfied;
- (c) All weather Centrals are receiving processed data;
- (d) Field terminal software is available; and
- (e) All Ground Segment elements required to operate all future production satellites have been delivered, tested, and certified ready for operations by the Government.

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0100		1	U			ASREQ
	<i>Noun:</i>	ENGINEERING AND MANUFACTURING DEVELOPMENT				
	<i>ACRN:</i>	9				
0200		1	U			ASREQ
	<i>Noun:</i>	PRE-IOC CONTRACTOR OPERATIONS & SUPPORT				
	<i>ACRN:</i>	9				

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.211-17 DELIVERY OF EXCESS QUANTITIES (SEP 1989)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.242-15 STOP-WORK ORDER (AUG 1989)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.242-15 STOP-WORK ORDER (AUG 1989) - ALTERNATE I (APR 1984)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
52.242-17 GOVERNMENT DELAY OF WORK (APR 1984)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.247-34 F.O.B. DESTINATION (NOV 1991)

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. OTHER CONTRACT CLAUSES IN FULL TEXT

F001 OPTION CLIN PERFORMANCE PERIOD(S) (FEB 1998)

The respective performance period(s) for each option is specified in the CLIN description in Section B.

F002 PERIOD OF PERFORMANCE (FEB 1997)

Period of performance under this contract shall be (FOR CLIN 0100, FROM DATE OF AWARD THROUGH DECLARATION OF IOC) (FOR CLIN 0200, FROM NPP GROUND READINESS THROUGH DECLARATION OF IOC).

F-504 REQUIRED PERFORMANCE (NOV 2001)

(a) This is not a complete listing of contract deliverables or required performance dates. Most performance matters will be managed by the IMP and IMS. However, for the purpose of clarity, the requirements in this clause are highlighted.

(b) The notional launch date for POES N' is March 2008. The contractor shall accomplish the events listed below based on the N' launch date:

MAR 2008	IDPS & C3S functionality will be available to support a 1330 orbit at all Centrals and two MMCs
MAR 2008	A satellite is available for call-up in a 1330-orbit configuration as backup to POES N'

(c) The notional launch date for DMSP F-20 is February 2009. The contractor shall accomplish the events listed below based on the F-20 launch date:

FEB 2009	IDPS & C3S functionality will be available to support all orbits at all Centrals and two MMCs
FEB 2009	A satellite is available for call-up in any orbit configuration as backup to DMSP F-20 (unless previously called up to back-up POES N')

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. AIR FORCE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES IN FULL TEXT

5352.232-9000 REMITTANCE ADDRESS (MAY 1996)

If the remittance address is different from the mailing address, enter the remittance address below. Failure to provide this information may impact payment.

____ (Enter name)
____ (Enter additional name)
____ (Enter street address)
____ (Enter city)
____ (Enter 2 character state symbol)
____ (Enter zip code)
____ (Enter 2 characters for Country (e.g. US))

B. OTHER CONTRACT CLAUSES IN FULL TEXT

G015 IMPLEMENTATION OF TAXPAYER IDENTIFICATION NUMBER (APR 1998)

In accordance with FAR 52.204-03, Taxpayer Identification Number is ____ (insert TIN) .

NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. OTHER CONTRACT CLAUSES IN FULL TEXT

H001 OPTIONS (MAY 1997)

The Government reserves the right to exercise the following option(s) subject to the stated conditions. In the event an option is exercised, the affected sections of the contract, e.g., Section B, Section F, Section G, etc., will be modified as appropriate.

CLINs 1300, 1310, 1400, 1410, 1500, 1510, 1600, 1610, 2100, 2200, 2210, 2220, and 2240

H002 PRODUCTION PROGRESS REPORT (MAY 1997)

In accordance with FAR clause 52.242-2, "Production Progress Reports," as set forth in Section I, the Contractor shall prepare and submit to the Contracting Officer production progress reports as follows:

Frequency/Timing: _____ (insert frequency and timing for submission of progress reports)

Applicable to CLINs: _____ (insert line items)

Offices for Distribution: _____ (insert offices for distribution)

The Contractor shall comply with DFARS 242.1107 for reporting actual or potential delinquencies.

H025 INCORPORATION OF SECTION K (OCT 1998)

Section K of the solicitation is hereby incorporated by reference.

H029 IMPLEMENTATION OF DISCLOSURE OF INFORMATION (OCT 1997)

In order to comply with DFARS 252.204-7000, Disclosure of Information, the following copies of the information to be released are required at least 45 days prior to the scheduled release date:

(a) One copy(ies) (insert number of copies) to: Office of Public Affairs, _____ (address).

(b) One copy(ies) (insert number of copies) to: Contracting Officer, NPOESS IPO, 8455 Colesville Road Suite 1450, Silver Spring MD 20910.

(c) One copy(ies) (insert number of copies) to: Associate Director for Acquisition, NPOESS IPO, 8455 Colesville Road Suite 1450, Silver Spring MD 20910.

H033 SOLICITATION NUMBER (APR 1998)

Solicitation Number: F04701-02-C-0500.

SECTION H CLAUSES FOR SECTION H... (SEP 2001)

H-500 TOTAL SYSTEM PERFORMANCE RESPONSIBILITY

(a) Definitions. The NPOESS is comprised of the Space Segment, Launch Support Segment, Command, Control and Communications Segment (C3S), Interface Data Processing Segment and the Field Terminal Segment. The NPOESS segments are defined in the Technical Requirements Document. The Space Segment includes design, manufacture, and delivery of CrIS and VIIRS sensors to NPP (and support of sensor integration onto the NPP spacecraft and on-orbit checkout).

(b) Performance Responsibility. The NPOESS Contractor shall have Total System Performance Responsibility (TSPR) for the entire National Polar-orbiting Operational Environmental Satellite System as defined above. TSPR is the responsibility undertaking any and all actions necessary for ensuring that the overall performance of NPOESS meets all requirements as described in this contract. TSPR includes integration of all segments, systems, subsystems, and components whether furnished by the Government, identified and directed by the Government, managed by the Government or its designated agent, or commercially acquired. Additionally, the NPOESS contractor is responsible for ensuring that the NPOESS is optimized for post-EMD production, deployment and support. Integration responsibility shall include the monitoring of all associate contractor and Government systems and infrastructure activities. Monitoring shall include the timely notification and recommendation of mitigation efforts to the Government for risks resulting from schedule, technical, or resource conflicts with these systems and infrastructure activities to ensure the Contract Schedule, NPOESS System Specification, and Integrated Master Plan requirements are met.

(c) The contractor hereby accepts TSPR whether or not individual segments, systems, subsystems, or components are fabricated, manufactured, or assembled by the contractor, a subcontractor (notwithstanding that any such subcontractor may have been selected pursuant to any provision hereof), or furnished as Government-Furnished Property. The Contractor shall be fully responsible for the integration of all systems, subsystems, and components whether GFP or commercially acquired, and hereby agrees that any or all required inspection and acceptance test procedures are accomplished and sufficient to meet specifications and performance requirements. Further, the Contractor is required and agrees that all systems, subsystems, and components, whether GFP or commercially acquired, will be installed and integrated into the NPOESS system without any degradation of performance of that item or in the overall system performance. The Contractor's responsibility to install and integrate subsystems and components, whether GFP or commercially-acquired, without resultant degradation of performance of any such item is in addition to and not in substitution of its responsibility to insure that the total system will meet all requirements of the system specification. The requirements of this paragraph (c) shall in no way excuse the contractor from compliance with any other requirements of this Special Provision H-500.

(d) Equitable Adjustments. Failure of any external systems or infrastructure requiring interface with the NPOESS to meet stated capabilities does not relieve the contractor of TSPR, as the contractor shall avoid or mitigate any impacts to the NPOESS to the maximum extent practicable. However, the parties agree that equitable adjustments may be made to the cost, schedule, NPOESS contract system specification, award fee criteria and other affected terms and conditions of the NPOESS contract for NPOESS impacts resulting from changes to external systems or infrastructures requiring interface with NPOESS capabilities.

(e) The EMD contractor will have Total System Performance Responsibility for NPOESS Preparatory Project system starting after early on-orbit checkout (anticipated at Launch plus 90 days).

(f) The contractor hereby accepts TSPR through June 2018 through exercise of option CLIN 2100 or CLINs 2210, 2220, and 2240.

H-503 SHARED OWNERSHIP

(a) The IPO has created the concept of shared ownership, a relationship between Government and industry where risk and returns are shared. This management approach depends upon highly integrated management teams to ensure adequate Government insight and oversight while maintaining TSPR by industry.

(b) The foundation of the IPO's NPOESS acquisition strategy is based on three guiding principles: a solid understanding of program business risks, awareness of industrial base concerns, and shared ownership. Even with award of the NPOESS contract, these three principles will continue to exist and shall be encompassed by the concept of shared ownership. Shared ownership is defined as the integrated management framework between the IPO and TSPR contractor that provides the foundation for program performance consistent with these principles and the requirements of this contract. The IPO and the TSPR contractor will work together to ensure an environment of teamwork, trust and open communications to facilitate insight into each other's decisions, and will consult each other on program decisions that impact the team's ability to execute the program.

(c) Contractor performance will be evaluated against the obligations set forth in this contract including modifications to this contract. Award fee or incentive fee evaluations will be made in accordance with the provisions of the contract. The IPO will conduct evaluations that reflect the effect of the Government's actions on the performance of the integrated management team.

(d) To facilitate the existence of the shared ownership concept through the life of this contract, the IPO and contractor will engage in a quarterly dialogue. The purpose of this dialogue is to maintain executive focus on program performance and evaluate the IPO/Contractor team's effectiveness in achieving the desired program results. At the close of each GFY quarter, the IPO and contractor Program Directors shall jointly prepare an agenda for executive dialogue to be conducted by their respective executives.

(e) IPT Relationships.

(1) The contractor shall invite the IPO to assign Government officials (or supporting FFRDC employees) on the contractor's Integrated Product Teams (IPTs). The IPO may or may not make such assignments.

(2) Where these assignments are made, they are for the purpose of providing visibility into the contractor's performance and progress and insight to the contractor from the Government. Government officials (or supporting FFRDC employees) do not chair IPTs, and the presence and participation of Government officials on an IPT does not indicate Government acceptance or concurrence on any matter presented to the IPT. Government participation does not in any way relieve the contractor of responsibility for total system performance under this contract.

(3) The Contracting Officer shall be the only individual authorized to redirect the effort or in any way modify any terms of this contract. The contractor shall not rely on any direction or instruction from any other Government team member that is contrary to the contract or that increases or decreases the scope or estimated cost of the contract. Insight and information provided to the contractor by other members of the Government team is provided for the contractor's benefit and use as it sees fit to accomplish its total system performance responsibilities under this contract.

(4) The IPTs shall be chaired by the contractor. If issues arise in the IPT that can not be resolved by the IPT will be elevated to the next higher level IPT for resolution.

H-507 FIELD TERMINAL SOFTWARE

The Government desires to demonstrate that HRD can be processed in field terminals using NPP HRD as a source of the data. To support this objective, the contractor shall demonstrate the ability to receive and process NPP HRD no later than 12 months after NPP launch on hardware that is representative or scalable to the hardware specified for the field terminal in their contract.

H-509 CHANGES TO CERTAIN SENSOR PERFORMANCE PARAMETERS

(a) The Government has specific interests in certain sensor performance parameters that define instrument performance, in addition to the EDR performance level, that are important to some data users for diverse purposes, such as direct assimilation of raw radiances into numerical models. In particular, the Government is interested in any change to the components in the end-to-end signal flow path which could affect the quality of the sensor output raw data stream. Consistent with the principle of shared ownership, the contractor shall provide notification of any such proposed changes, with supporting rationale, by written notice to the NPOESS IPO Chief Systems Engineer and with direct reference to this clause, in sufficient time to meaningfully support the Government's participation in the discussion of the change and as soon as practicable after the need for the change surfaces. The Government's participation in these discussions is at its discretion, and may involve participation from the Government's technical, scientific, user, and contractor support communities.

(b) Examples of the parameters of interest to the Government are Instrument Type, Spectral or Frequency Band Characteristics, IFOV / IFOR Parameters, NEdT, NEN, SNR, Measurement Accuracy & Error Sources, Scan and Sampling Parameters, Band to Band or Channel to Channel Co-Registration, Optical System Design Parameters/Constraints, Focal Plane Architecture and Detector Characteristics, Radiant Cooler Performance Characteristics, Antenna Characteristics, Modulation Transfer Function, Calibration Concepts - Pre-Flight & On-Orbit, and Data Acquisition Parameters & Data Stream Content.

(c) In addition to the performance parameters listed above, the Government requires prior notification of any proposed change to the VIIRS or CrIS design that could affect the interface of the VIIRS and CrIS instruments to the NPP spacecraft. The Government reserves the right to participate in the decision process between the NPOESS and NPP spacecraft contractors.

H-518 AWARD FEE AND MISSION SUCCESS FEE

An Award Fee and a Mission Success Fee will be utilized in this contract. Refer to the attached Award Fee and Mission Success Fee Plan for details.

H-519 INTERIM AWARD FEE PAYMENT AND ADJUSTMENT

(a) The Government shall make MONTHLY provisional award fee payments to the contractor. These fee payments shall not exceed 80% percent of the award fee amount available for each evaluation period as specified in the Award Fee Table, prorated on a MONTHLY basis. The determination and the methodology for determining the amount of award fee billable are unilateral decisions made solely at the discretion of the Government.

(b) Adjustment of such provisional award fee payments, to reflect and account for the actual award fee earned/awarded for the evaluation period, shall be made in accordance with the following:

(1) Underpayment of Fee. If the cumulative amount of provisional award fee payments made during an evaluation period is less than the award fee earned/awarded for that period, the contractor shall submit a separate invoice for and the Government shall remit payment of the balance of fee earned under the terms of the "Award Fee" clause of this contract.

(2) Overpayment of Fee. If the cumulative amount of provisional award fee payments made during an evaluation period exceeds the award fee earned/awarded for that period, the Government shall deduct/offset the overpayment from subsequent fee and, if necessary, costs incurred. To assist the Government in this regard, the contractor shall reflect such adjustments on subsequent invoices. For purposes of FAR clause 52.232-17, Interest, the due date for any refund to be made by the contractor pursuant to this clause shall be the date of the first written demand for payment.

H-521 FEE RISK COVENANT

(a) Although the contractor may earn fee during the course of this contract, the parties agree that the Award Fee and Mission Success Fee earned during the EMD phase of the contract are earned at risk. Similarly, the parties agree that the Fixed-Price-Incentive profit (or fee), Award Fee, and Mission Success Fee earned on each replenishment satellite CLIN are also earned at risk. This means that although the contractor has possession and use of earned fee, to retain possession of the fee it must provide a system that provides useful service over its life, as described herein.

(b) The Fee Determining Official (FDO) will make assessments every six months to retire fee risk. He or she will consider the inputs and suggestions of the contractor in the assessment, but the final decision is his or her subjective decision.

(c) EMD PHASE.

(1) For the EMD phase, fee risk reduction may begin in January 2007 or the January occurring at least one year following the NPP launch, whichever is earlier, with follow-on assessments every six months thereafter. For the EMD phase, the assessments are on total system performance.

(2) The initial fee risk retirement period runs through and includes the July 2009 assessment. The fee risk removal pool for this period is equal to the Award Fee and Mission Success Fee on the EMD CLINs earned to that point. Up to one-tenth of this risk may be removed at each six-month risk retirement assessment based on the FDO's subjective assessment of overall system performance during the previous six-month period. The FDO's assessment will be a numerical percentage between 100% and 0%, where 100% = completely successful and 0% = completely unsuccessful. The fee risk removed at that instance is a factor of the FDO's assessment percentage against the one-tenth figure available at that decision.

(3) The second fee risk retirement period starts with the January 2010 assessment and runs through the decision immediately following declaration of IOC. The fee risk removal pool for this period is equal to the EMD Award Fee and Mission Success Fee earned to that point, less the fee risk removed during the initial period. This means any fee risk not removed in the initial phase may yet be removed during the second phase. Up to one-tenth of this risk may be removed at each six-month risk retirement assessment based on the FDO's subjective assessment of overall system performance during the previous six-month period. The fee risk removed at each assessment is factored in the same manner as during the initial period described above.

(4) The final fee risk retirement period for the EMD phase starts with the second assessment after the IOC declaration and runs until all fee risk is removed. The fee risk removal pool for this period is equal to all the Award Fee and Mission Success Fee earned during the EMD phase, less the fee risk removed during the initial and second periods. This means any fee risk not removed in the initial and second periods may yet be removed during the final phase. Up to one-tenth of this risk may be removed at each six-month risk retirement assessment based on the FDO's subjective assessment of overall system performance during the previous six-month period. The fee risk removed at each assessment is factored in the same manner as during the initial period described above.

(5) The paragraph above indicates that the final period runs until all fee risk is removed. However, if at any time the FDO determines that the system is a complete and unrecoverable failure, then the contractor forfeits that portion of the fee which is still at risk. In such a case, the contracting officer will provide instructions to the contractor for the return of the forfeited fee. However, when in the FDO's judgment the failure is clearly caused by reasons beyond the control of the contractor, the FDO may limit the forfeiture to fifty percent of fee which is still at risk.

(6) If the FDO fails to make a fee risk reduction assessment in January or July of any year, the contractor may treat this as a favorable 100% success assessment.

(d) PRODUCTION PHASE.

(1) For each production option, fee risk reduction begins in the January following completion of the satellite, with follow-on assessments every six months thereafter. For the Production phase, each assessment is made on satellite performance.

(2) The initial fee risk retirement period runs through the assessment immediately preceding launch of the satellite. The fee risk removal pool for this period is equal to the actual profit arrived at through application of the fixed-price-incentive arrangement, the Award Fee, and the Mission Success Fee attributable to that satellite (however, it does not include the cost mitigation incentive, if any). Up to one-fourteenth of this risk may be removed at each six-month risk retirement assessment based on the FDO's subjective assessment of the satellite's success during the previous six-month period. The FDO's assessment will be a numerical percentage between 100% and 0%, where 100% = completely successful and 0% = completely unsuccessful. The fee risk removed at that instance is a factor of the FDO's assessment percentage against the one-fourteenth figure available at that assessment.

(3) The final fee risk retirement period starts with the assessment immediately following launch of the satellite and continues until all fee risk is removed. The fee risk removal pool for this period is unchanged from the

initial period. Up to one-fourteenth of this risk may be removed at each six-month risk retirement assessment based on the FDO's subjective assessment of the satellite's success during the previous six-month period. The fee risk removed at each assessment is factored in the same manner as during the initial period described above.

(4) The paragraph above indicates that the final period runs until all fee risk is removed. However, if at any time the FDO determines that the satellite is a complete and unrecoverable failure, then the contractor forfeits that portion of the fee which is still at risk. In such a case, the contracting officer will provide instructions to the contractor for the return of the forfeited fee. However, when in the FDO's judgment the failure is clearly caused by reasons beyond the control of the contractor, the FDO may limit the forfeiture to fifty percent of fee which is still at risk.

(5) If the FDO fails to make a fee risk reduction assessment in January or July of any year, the contractor may treat this as a favorable 100% success assessment.

(6) The process described above is repeated for each replenishment satellite.

H-524 COST MITIGATION INCENTIVE

(a) The Government desires insight into the pricing of the option FPIF CLINs, including risk assumptions made by the contractor. The Government also desires the contractor's best efforts at controlling risk, taking advantage of cost savings and learning that occurs between award of the contract and exercise of the options, and so forth.

(b) Eighteen months before the date set for exercise of a FPIF option CLIN, the contractor may, at its discretion, propose a new and lower target cost and price for the option.

(c) In such a case, the contractor will provide rationale for the price change, including updated assumptions, changed circumstances, and so forth, all with reference to the original cost proposal established at time of contract award.

(d) If the Government considers the new lower price reasonable, it will modify the contract to reflect the new target cost and price. Changing the target cost shall not result in a change to the target profit, the award fee, or the mission success fee associated with that CLIN. In such a case, and if the option is subsequently exercised, the Government shall pay to the contractor a Cost Mitigation Incentive in an amount equal to one-half of the difference between the target cost before this negotiation and the target cost after this negotiation. This is illustrated below in a notional example where the target cost changes from \$100 to \$90—

	<u>AT AWARD OF CONTRACT</u>	<u>AT EXERCISE OF OPTION</u>	<u>AT COMPLETION OF PERFORMANCE</u>
Target Cost	\$100	\$90	*
Target Profit	\$10	\$10	*
Target Price	\$110	\$100	*
Award Fee	\$5	\$5	*
Mission Success Fee	\$5	\$5	*
Cost Mitigation Incentive	--	\$5	*
TOTAL PROFIT/FEE	\$20	\$25	*
TOTAL COST TO GOV'T	\$120	\$115	*

*The actual cost will be determined at the end of performance, and the actual profit will be a mathematical calculation in accordance with the FPIF clause of the contract. The actual Award Fee and Mission Success Fee earned will be in accordance with the Award Fee and Mission Success Fee Plan.

H-539 EARNED VALUE MANAGEMENT SYSTEM (EVMS)

The contractor shall develop, implement, maintain, and use an EVMS that complies with Industry Guidelines of ANSI EIA 748-98. The contractor shall invite the Government to participate in Integrated Baseline Reviews within

90 days of contract award and at any subsequent detailed planning, including routine rolling wave planning and program replanning resulting from incorporation of contract modifications.

H-541 SPECIAL STUDIES

The Government may require the Contractor to accomplish certain special study efforts related to the NPOESS program and appropriate to the contractor's TSPR role during the period of the contract. Each study will be scoped and priced through negotiation as the need arises and purchased as a subCLIN under CLIN 3100 (for FFP studies) or CLIN 3200 (for CPFF studies). Complete the sample table with estimated fully loaded figures for labor categories anticipated for use in NPOESS studies.

Labor Category	02	03	04	05	06	07	08	09	10	11	12
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

H-545 ENABLING CLAUSE(S) FOR FFRDCs AND OTHER IPO CONTRACTORS

This contract covers part of the NPOESS program which is under the general program management of the tri-agency Integrated Program Office. The Government has entered into contracts with the Aerospace Corporation and the Mitre Corporation (Federally Funded Research and Development Centers (FFRDCs)) and other support contractors for services of technical groups which will support the NPOESS program office by performing various SETA services.

H-548 KEY PERSONNEL

(a) Year One (1) After Award Retention Goal.

(1) The contractor accepts a staffing goal that at least three-fourths of the key personnel will remain on the program full-time, for the first year after contract award. The key personnel positions are identified as follows—

(Offeror Insert For Model Contract)

(2) In the event the contractor does not achieve this goal, the Government may decrease the Award Fee pool for the development effort by an amount between \$0 and \$4,000,000. The assessed reduction will be allocated equally over the remaining award fee periods.

(3) The Government, at its discretion, may decide not to assess a reduction or minimize the reduction assessed in the event that the contractor is able to fill the vacated position(s) with similarly qualified individuals, can demonstrate that it has taken all reasonable measures to retain or acquire key personnel, shows that the person(s) in question left the company or retired, shows that the matters were beyond its control (e.g. person called to active military duty) or for other reasons deemed appropriate by the Government. The contractor may present its reasons for key personnel turnover to the Government.

(4) The Government will not assess a reduction if the Government is unable to obligate the contract funding profile for the one-year retention period.

(b) Year Two (2) After Award Retention Goal.

(1) The contractor accepts a staffing goal that at least one-half of the key personnel will remain on the program full-time, for the first two years after contract award. The key personnel positions are identified as follows—

(Offeror Insert For Model Contract)

(2) In the event the contractor does not achieve this goal, the Government may decrease the Award Fee pool for the development effort by an amount between \$0 and \$2,000,000. The assessed reduction will be allocated equally over the remaining award fee periods.

(3) The Government, at its discretion, may decide not to assess a reduction or minimize the reduction assessed in the event that the contractor is able to fill the vacated position(s) with similarly qualified individuals, can demonstrate that it has taken all reasonable measures to retain or acquire key personnel, shows that the person(s) in question left the company or retired, shows that the matters were beyond its control (e.g. person called to active military duty) or for other reasons deemed appropriate by the Government. The contractor may present its reasons for key personnel turnover to the Government.

(4) The Government will not assess a reduction if the Government is unable to obligate the contract funding profile that is planned for the two-year retention period.

(c) The contractor's key personnel shall be those persons in the top three tiers on the organizational chart, with the program manager and his or her deputies occupying the top tier.

H-551 EXERCISE OF OPTIONS AS SEPARATE CONTRACTS

The Government reserves the right to exercise any option as a separate contract at the time of exercise. In such case, the appropriate terms and conditions of this contract will be included in the new contract. The Government intends to use the terms and conditions as written in this contract.

H-555 DATA DENIAL

The contractor shall activate data denial upon order by the Program Director or the NPOESS Associate Director for Operations.

H-569 CRYPTOGRAPHIC EQUIPMENT

The contractor shall acquire Flight Vehicle and Ground System Cryptographic Equipment from NSA approved sources.

H-571 LAUNCH SCHEDULE

(a) The NPOESS launch projections at time of award are based on the 15 AUG 2001 National Launch Forecast and based on the expected life expectancy of DMSP and POES, as follows—

<u>Satellite</u>	<u>Orbit</u>	<u>Launch Date</u>
C1	2130	April 2009
C2	1330	June 2011
C3	1730	April 2013

(b) The forecast is subject to change. Changes in the launch schedule or sequence may provide a basis for adjusting the estimated cost or an award fee CLIN or the target cost of a FPIF CLIN, but the associated fee or target profit shall not be adjusted thereby.

H-574 BACK-UP OF FAILED LAUNCHES

(a) The program contemplates satellite availability and launch of the EMD satellites according to a nominal schedule as shown in H-571. However, the Government may issue a call-up for a satellite as a back-up for a failed N' or DMSP F-20 launch (one or the other, but not both). In such case, the contractor shall provide a satellite, configured with the sensors and instruments appropriate for its intended new orbit and prepared to be operational on-orbit, within (offeror fill-in (ref: TRD 3.2.5.2-7)) days after call-up. Exercise of this call-up or other changes in the launch schedule or sequence may provide a basis for adjusting the estimated cost of CLIN 0100 and 0200, but the fee associated with these CLINs shall not be adjusted thereby.

(b) In the event the scheduled launch of an NPOESS EMD or Production satellite fails, the Government may issue a call-up for a back-up satellite. In such case, the contractor shall provide its next satellite, configured with the sensors and instruments appropriate for its intended new orbit and prepared to be operational on-orbit, within (offeror fill-in (ref: TRD 3.2.5.2-7)) days after call-up. Exercise of this call-up or other changes in the launch schedule or sequence may provide a basis for adjusting the estimated cost (for an award fee CLIN) or target cost (for a FPIF CLIN), but the fee or target profit associated with these CLINs shall not be adjusted thereby.

(c) The contractor shall not be required to accommodate more than one call-up for premature failure during the life of the program (failure of N', F-20, or a NPOESS satellite).

H-581 NPOESS MISSION LIFE

The NPOESS program mission life is 10 years and begins when the first capability to launch is achieved. This is projected to start when an NPOESS satellite is available to back-up the POES N' mission in 2008.

H-583 PUBLIC RELEASIBILITY OF INFORMATION RELATED TO NPOESS

Consistent with ITAR, all data related to NPOESS spacecraft and sensor design, C3S and IDPS utilization, Algorithm Theoretical Basis Documents for each EDR, and operational processing code will be releasable to the public. Exceptions may be granted by the Integrated Program Office on a case by case basis only when the vendor shows that release of information reveals company proprietary manufacturing processes.

H-586 SECURITY CERTIFICATION AND ACCREDITATION SUPPORT

(a) The contractor shall provide comprehensive security support to the NPOESS IPO throughout the EMD phase of this contract. Security support shall include the development, implementation, and maintenance of all security documents, procedures, and agreements necessary to affect NPP/NPOESS type and site accreditation at all central locations. Such support shall be conducted in accordance with the Department of Defense Information Technology Security Certification and Accreditation Process (DITSCAP – DODI 5200.40) and other Certification and Accreditation (C&A) guidance as necessary to support the joint nature of NPOESS. Further, the contractor shall comply with DoD 5200.28-STD Department of Defense Trusted Computer System Evaluation Criteria.

(b) The contractor, acting in the Total System Performance Responsibility capacity, shall serve as a key security process and technology expert for the type and site Designated Approving Authorities (DAA). In addition, the contractor shall perform, and be responsible for, all the C&A functions assigned to the Certification Authority, Program Manager, and Developer/Integrator as outlined in DoDI 5200.40.

(c) Support shall include, but not be limited to, the development of all supporting documentation and the tasks necessary to complete Phases I through IV, including recurring recertification as outlined in DoDI 5200.40.

Contract Clauses in this section are from the FAR, Defense FAR Sup, Air Force FAR Sup, and the Air Force Materiel Command FAR Sup, and are current through the following updates:

ConWrite_Version: 4.2.0.000; issued: 10/31/2001; Clauses: are up-to-date through;; FAR: FAC 2001-01;
DFAR: DCN20011001; DL: DL 98-021; Class Deviations: CD 2001o0002; AFFAR: 1996 Edition;
AFMCFAR: AFMCAC 97-7; AFAC: AFAC 96-4; IPN: 98-009

I. NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES

52.202-01	DEFINITIONS (MAY 2001)
52.203-03	GRATUITIES (APR 1984)
52.203-05	COVENANT AGAINST CONTINGENT FEES (APR 1984)
52.203-06	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)
52.203-07	ANTI-KICKBACK PROCEDURES (JUL 1995)
52.203-08	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)
52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)
52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (JUN 1997)
52.204-04	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER (AUG 2000)
52.209-06	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (JUL 1995)
52.211-05	MATERIAL REQUIREMENTS (AUG 2000)
52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)
52.215-02	AUDIT AND RECORDS -- NEGOTIATION (JUN 1999)
52.215-08	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (OCT 1997)
52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-13	SUBCONTRACTOR COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-14	INTEGRITY OF UNIT PRICES (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997) - ALTERNATE II (OCT 1997)
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997) - ALTERNATE III (OCT 1997) Alt III, Para (c), Submit the cost portion of the proposal via the following electronic media: '_____'
52.215-21	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA--MODIFICATIONS (OCT 1997) - ALTERNATE IV (OCT 1997) Alt IV, (a), Description of the information and the format that are required: '_____'
52.216-07	ALLOWABLE COST AND PAYMENT (MAR 2000) <i>Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.</i>
	<i>Applies to Cost-Plus-Award-Fee CLIN(s) only.</i>
52.216-08	FIXED FEE (MAR 1997) <i>Applies to Cost-Plus-Fixed-Fee CLIN(s) only.</i>
52.216-16	INCENTIVE PRICE REVISION -- FIRM TARGET (OCT 1997) Para (a), Line Item numbers: 'OPTION CLINs FOR REPLENISHMENT SATELLITES' Para (a), In no event shall the total final price of these items exceed the ceiling price of: '(AMOUNT FOR EACH FPIF OPTION CLIN SPECIFIED IN THE CLIN DESCRIPTION)'

- Para (c)(1), Number of days: '60'
Para (d)(2)(ii), Percent: '50 %'
Para (d)(2)(iii), Percent: '50 %'
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
- 52.217-07 OPTION FOR INCREASED QUANTITY -- SEPARATELY PRICED LINE ITEM (MAR 1989)
Period of time is 'SPECIFIED IN EACH OPTION CLIN'
- 52.219-08 UTILIZATION OF SMALL BUSINESS CONCERNS (OCT 2000)
- 52.219-23 NOTICE OF PRICE EVALUATION ADJUSTMENT FOR SMALL DISADVANTAGED
BUSINESS CONCERNS (MAY 2001) - ALTERNATE I (OCT 1998)
Para (b)(1), Percentage '_____'
- 52.222-02 Para (c), Offeror elects to waiver adjustment '_____'
PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)
Para (a), Dollar amount is '\$1,000,000 IN ANY FISCAL YEAR (OCT-SEP)'
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
- 52.222-03 CONVICT LABOR (AUG 1996)
- 52.222-19 CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES (FEB 2001)
- 52.222-20 WALSH-HEALEY PUBLIC CONTRACTS ACT (DEC 1996)
- 52.222-21 PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)
- 52.222-26 EQUAL OPPORTUNITY (FEB 1999)
- 52.222-29 NOTIFICATION OF VISA DENIAL (FEB 1999)
- 52.222-35 AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE
VIETNAM ERA (APR 1998)
- 52.222-36 AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)
- 52.222-37 EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE
VIETNAM ERA (JAN 1999)
- 52.223-06 DRUG-FREE WORKPLACE (MAY 2001)
- 52.223-11 OZONE-DEPLETING SUBSTANCES (MAY 2001)
- 52.223-12 REFRIGERATION EQUIPMENT AND AIR CONDITIONERS (MAY 1995)
- 52.223-14 TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)
- 52.225-08 DUTY- FREE ENTRY (FEB 2000)
- 52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUL 2000)
- 52.225-14 INCONSISTENCY BETWEEN ENGLISH VERSION AND TRANSLATION OF CONTRACT
(FEB 2000)
- 52.226-01 UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC
ENTERPRISES (JUN 2000)
- 52.227-01 AUTHORIZATION AND CONSENT (JUL 1995)
- 52.227-02 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT
(AUG 1996)
- 52.228-07 INSURANCE -- LIABILITY TO THIRD PERSONS (MAR 1996)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
- 52.229-03 FEDERAL, STATE, AND LOCAL TAXES (JAN 1991)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
- 52.229-05 TAXES -- CONTRACTS PERFORMED IN U.S. POSSESSIONS OR PUERTO RICO (APR
1984)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
- 52.229-06 TAXES -- FOREIGN FIXED-PRICE CONTRACTS (JAN 1991)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
- 52.229-08 TAXES -- FOREIGN COST-REIMBURSEMENT CONTRACTS (MAR 1990)
Para (a), Name of foreign government is '_____'
- Para (a), Name of country is '_____'
- Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.*

Applies to Cost-Plus-Award-Fee CLIN(s) only.

52.230-02 COST ACCOUNTING STANDARDS (APR 1998)

52.230-06 ADMINISTRATION OF COST ACCOUNTING STANDARDS (NOV 1999)

52.232-01 PAYMENTS (APR 1984)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.232-02 PAYMENTS UNDER FIXED-PRICE RESEARCH AND DEVELOPMENT CONTRACTS (APR 1984)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.232-08 DISCOUNTS FOR PROMPT PAYMENT (MAY 1997)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.232-11 EXTRAS (APR 1984)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.232-17 INTEREST (JUN 1996)

52.232-22 LIMITATION OF FUNDS (APR 1984)

Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

Applies to Cost-Plus-Award-Fee CLIN(s) only.

52.232-23 ASSIGNMENT OF CLAIMS (JAN 1986) - ALTERNATE I (APR 1984)

52.232-25 PROMPT PAYMENT (MAY 2001)

Para (b)(1), Contract financing payments shall be made on the '30th'

52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION (MAY 1999)

52.233-01 DISPUTES (DEC 1998)

52.233-01 DISPUTES (DEC 1998) - ALTERNATE I (DEC 1991)

52.233-03 PROTEST AFTER AWARD (AUG 1996)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.233-03 PROTEST AFTER AWARD (AUG 1996) - ALTERNATE I (JUN 1985)

Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

Applies to Cost-Plus-Award-Fee CLIN(s) only.

52.242-01 NOTICE OF INTENT TO DISALLOW COSTS (APR 1984)

Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.242-02 PRODUCTION PROGRESS REPORTS (APR 1991)

52.242-03 PENALTIES FOR UNALLOWABLE COSTS (MAY 2001)

52.242-04 CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)

Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

Applies to Cost-Plus-Award-Fee CLIN(s) only.

52.242-13 BANKRUPTCY (JUL 1995)

52.243-01 CHANGES -- FIXED-PRICE (AUG 1987)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.243-02 CHANGES -- COST-REIMBURSEMENT (AUG 1987)

Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

Applies to Cost-Plus-Award-Fee CLIN(s) only.

52.243-06 CHANGE ORDER ACCOUNTING (APR 1984)

52.243-07 NOTIFICATION OF CHANGES (APR 1984)

Para (b), Number of calendar days is '15 days'

Para (d), Number of calendar days is '15 days'

52.244-02 SUBCONTRACTS (AUG 1998)

Para (e), approval required on subcontracts to: '____'

Para (k), Paragraphs (d) and (f) of this clause do not apply to the following subcontracts which were evaluated during negotiations: '____'

- Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.*
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.244-02 SUBCONTRACTS (AUG 1998) - ALTERNATE I (AUG 1998)
Para (e), Contractor shall obtain the Contracting Officer's written consent before placing the following subcontracts: '_____'
Para (k), the following subcontracts which were evaluated during negotiations: '_____'
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
52.244-05 COMPETITION IN SUBCONTRACTING (DEC 1996)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.244-06 SUBCONTRACTS FOR COMMERCIAL ITEMS (MAY 2001)
52.246-24 LIMITATION OF LIABILITY -- HIGH-VALUE ITEMS (FEB 1997)
52.247-63 PREFERENCE FOR U.S.-FLAG AIR CARRIERS (JAN 1997)
52.247-67 SUBMISSION OF COMMERCIAL TRANSPORTATION BILLS TO THE GENERAL SERVICES ADMINISTRATION FOR AUDIT (JUN 1997)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
52.249-02 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (SEP 1996)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.249-06 TERMINATION (COST-REIMBURSEMENT) (SEP 1996)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
52.249-08 DEFAULT (FIXED-PRICE SUPPLY AND SERVICE) (APR 1984)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
52.249-14 EXCUSABLE DELAYS (APR 1984)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
52.253-01 COMPUTER GENERATED FORMS (JAN 1991)

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

- 252.203-7001 PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-
CONTRACT-RELATED FELONIES (MAR 1999)
252.203-7002 DISPLAY OF DOD HOTLINE POSTER (DEC 1991)
252.204-7000 DISCLOSURE OF INFORMATION (DEC 1991)
252.204-7003 CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (APR 1992)
252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION (MAR 2000)
252.205-7000 PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS (DEC 1991)
252.209-7000 ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER
THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY (NOV 1995)
252.209-7004 SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE
GOVERNMENT OF A TERRORIST COUNTRY (MAR 1998)
252.215-7000 PRICING ADJUSTMENTS (DEC 1991)
252.215-7002 COST ESTIMATING SYSTEM REQUIREMENTS (OCT 1998)
252.219-7004 SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS
SUBCONTRACTING PLAN (TEST PROGRAM) (JUN 1997)
252.225-7001 BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM (MAR 1998)
252.225-7002 QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS (DEC 1991)
252.225-7005 IDENTIFICATION OF EXPENDITURES IN THE UNITED STATES (DEC 1991)
252.225-7008 SUPPLIES TO BE ACCORDED DUTY-FREE ENTRY (MAR 1998)
Supplies accorded duty-free entry are: '_____'
252.225-7009 DUTY-FREE ENTRY--QUALIFYING COUNTRY SUPPLIES (END PRODUCTS AND
COMPONENTS) (AUG 2000)

- 252.225-7010 DUTY-FREE ENTRY--ADDITIONAL PROVISIONS (AUG 2000)
252.225-7012 PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (AUG 2000)
252.225-7014 PREFERENCE FOR DOMESTIC SPECIALTY METALS (MAR 1998)
252.225-7014 PREFERENCE FOR DOMESTIC SPECIALTY METALS (MAR 1998) - ALTERNATE I (MAR 1998)
252.225-7016 RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS (DEC 2000)
252.225-7016 RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS (DEC 2000) - ALTERNATE I (DEC 2000)
252.225-7022 RESTRICTION ON ACQUISITION OF POLYACRYLONITRILE (PAN) CARBON FIBER (JUN 1997)
252.225-7026 REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (JUN 2000)
252.225-7031 SECONDARY ARAB BOYCOTT OF ISRAEL (JUN 1992)
252.225-7041 CORRESPONDENCE IN ENGLISH (JUN 1997)
252.225-7042 AUTHORIZATION TO PERFORM (JUN 1997)
252.225-7043 ANTITERRORISM/FORCE PROTECTION POLICY FOR DEFENSE CONTRACTORS OUTSIDE THE UNITED STATES (JUN 1998)
Information and guidance pertaining to DoD antiterrorism/force protection can be obtained from: 'HQ AFSFC/SFPT; telephone, DSN 473-0927/0928 or commercial (210) 671-0927/0928'
252.226-7001 UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES-DOD CONTRACTS (SEP 2001)
252.227-7013 RIGHTS IN TECHNICAL DATA--NONCOMMERCIAL ITEMS (NOV 1995)
252.227-7014 RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION (JUN 1995)
252.227-7016 RIGHTS IN BID OR PROPOSAL INFORMATION (JUN 1995)
252.227-7019 VALIDATION OF ASSERTED RESTRICTIONS--COMPUTER SOFTWARE (JUN 1995)
252.227-7025 LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS (JUN 1995)
252.227-7030 TECHNICAL DATA--WITHHOLDING OF PAYMENT (MAR 2000)
252.227-7036 DECLARATION OF TECHNICAL DATA CONFORMITY (JAN 1997)
252.227-7037 VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA (SEP 1999)
252.231-7000 SUPPLEMENTAL COST PRINCIPLES (DEC 1991)
252.232-7008 ASSIGNMENT OF CLAIMS (OVERSEAS) (JUN 1997)
252.233-7001 CHOICE OF LAW (OVERSEAS) (JUN 1997)
252.234-7001 EARNED VALUE MANAGEMENT SYSTEM (MAR 1998)
Para (f), Subcontractors selected for application of EVMS: '_____'
252.235-7010 ACKNOWLEDGMENT OF SUPPORT AND DISCLAIMER (MAY 1995)
Para (a), name of contracting agency(ies): 'NPOESS Integrated Program Office'
Para (a), contract number(s): 'F04701-02-R-0500'
Para (b), name of contracting agency(ies): 'NPOESS Integrated Program Office'
252.235-7011 FINAL SCIENTIFIC OR TECHNICAL REPORT (SEP 1999)
252.242-7000 POSTAWARD CONFERENCE (DEC 1991)
252.242-7004 MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM (DEC 2000)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
252.243-7001 PRICING OF CONTRACT MODIFICATIONS (DEC 1991)
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.
252.243-7002 REQUESTS FOR EQUITABLE ADJUSTMENT (MAR 1998)
252.244-7000 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (DOD CONTRACTS) (MAR 2000)
252.247-7023 TRANSPORTATION OF SUPPLIES BY SEA (MAR 2000)

C. AIR FORCE FEDERAL ACQUISITION REGULATION SUPPLEMENT CONTRACT CLAUSES

5352.215-9005 INCORPORATION OF CONTRACTOR'S TECHNICAL PROPOSAL (AFMC) (AUG 1998)
 Para (a), Paragraph Numbers: '____'
 Para (a), Paragraph Numbers: '____'
 Para (a), Version Number(s): '____'
 Para (a), Dated: '____'
 Para (a), Entitled: '____'
 Para (b), Rank order: '____'

5352.217-9010	ASSOCIATE CONTRACTOR AGREEMENTS (AFMC) (JUL 1997)	
	Para (a), Name of the Program or Project 'NPOESS'	
	Para (h), Associate Contractors, Address and Program/Contract(s) are ' <u>Contractor</u>	<u>Address</u>
	Program	

5352.217-9011 DEMONSTRATION MILESTONES (AFMC) (JUL 1997)
 Para (d), Appropriate Elements are '____'
 Para (f), Demonstration Milestones by Target Date and Criteria: '_____'

5352.225-9002 SPECIAL PROVISION UNDER PARAGRAPH (D) OF FAR CLAUSE 52.229-6, TAXES-
FOREIGN FIXED-PRICE CONTRACTS (AFMC) (JUL 1997)
Name of country is '____'
List taxes, duties and other charges: '____'
Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

5352.227-9000 EXPORT-CONTROLLED DATA RESTRICTIONS (AFMC) (JUL 1997)

5352.227-9002 VISIT REQUESTS BY FOREIGN-OWNED OR CONTROLLED FIRMS (AFMC) (JUL 1997)

5352.228-9001 INSURANCE CLAUSE IMPLEMENTATION (AFMC) (JUL 1997)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.

Applies to Cost-Plus-Award-Fee CLIN(s) only.

5352.231-9001 SEGREGATION OF COSTS (AFMC) (JUL 1997)
CLINs ' '

5352.237-9000 EMPLOYEE QUALIFICATION (AFMC) (JUL 1997)

5352.243-9001	ADVANCE CHANGE ADJUSTMENT AGREEMENTS (AFMC) (APR 2001)
	Para (a), Dollar Amount '\$500,000.00'
	Para (a), Dollar Amount '\$5,000,000.00'

5352.243-9002 NOT-TO-EXCEED/NOT-LESS-THAN AGREEMENTS (AFMC) (APR 2001)
Applies to Firm-Fixed-Price CLIN(s) only.

5352.243-9002 NOT-TO-EXCEED/NOT-LESS-THAN AGREEMENTS (AFMC) (APR 2001) - ALTERNATE I (JUL 1997)
Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

- 5352.243-9002 NOT-TO-EXCEED/NOT-LESS-THAN AGREEMENTS (AFMC) (APR 2001) - ALTERNATE III (JUL 1997)
Applies to Cost-Plus-Fixed-Fee CLIN(s) only.
- 5352.243-9002 NOT-TO-EXCEED/NOT-LESS-THAN AGREEMENTS (AFMC) (APR 2001) - ALTERNATE IV (JUL 1997)
Applies to Cost-Plus-Award-Fee CLIN(s) only.
- 5352.290-9011 IMPLEMENTATION OF ECONOMIC PRICE ADJUSTMENTS (AFMC) (JUL 1997)
Established price of items in Section B: ' _____ '

II. NOTICE: The following contract clauses pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION CONTRACT CLAUSES IN FULL TEXT

52.219-04 NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS (JAN 1999)

(a) Definition. HUBZone small business concern, as used in this clause, means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

(b) Evaluation preference. (1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except--

(i) Offers from HUBZone small business concerns that have not waived the evaluation preference;

(ii) Otherwise successful offers from small business concerns;

(iii) Otherwise successful offers of eligible products under the Trade Agreements Act when the dollar threshold for application of the Act is exceeded (see 25.402 of the Federal Acquisition Regulation (FAR)); and

(iv) Otherwise successful offers where application of the factor would be inconsistent with a Memorandum of Understanding or other international agreement with a foreign government.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) A concern that is both a HUBZone small business concern and a small disadvantaged business concern will receive the benefit of both the HUBZone small business price evaluation preference and the small disadvantaged business price evaluation adjustment (see FAR clause 52.219-23). Each applicable price evaluation preference or adjustment shall be calculated independently against an offeror's base offer. These individual preference amounts shall be added together to arrive at the total evaluated price for that offer.

(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.

[] Offeror elects to waive the evaluation preference.

(d) Agreement. A HUBZone small business concern agrees that in the performance of the contract, in the case of a contract for

(1) Services (except construction), at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern or employees of other HUBZone small business concerns;

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern or other HUBZone small business concerns;

(3) General construction, at least 15 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns; or

(4) Construction by special trade contractors, at least 25 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns.

(e) A HUBZone joint venture agrees that in the performance of the contract, the applicable percentage specified in paragraph (d) of this clause will be performed by the HUBZone small business participant or participants.

(f) A HUBZone small business concern nonmanufacturer agrees to furnish in performing this contract only end items manufactured or produced by HUBZone small business manufacturer concerns. This paragraph does not apply in connection with construction or service contracts.

52.252-02 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://farsite.hill.af.mil/>

52.252-06 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

B. DEFENSE FAR SUPP CONTRACT CLAUSES IN FULL TEXT

252.232-7007 LIMITATION OF GOVERNMENT'S OBLIGATION (AUG 1993)

(a) Contract line item(s) ____ (First CLIN that is incrementally funded) through ____ (Last CLIN that is incrementally funded) are incrementally funded. For these item (s), the sum of ____ (Available dollars to be inserted after negotiation) of the total price is presently available for payment and allotted to this contract. An allotment schedule is set forth in paragraph (i) of this clause.

(b) For item(s) identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those item(s) for the Government's convenience, approximates the total amount currently allotted to the contract. The Contractor will not be obligated to continue work on those item(s) beyond that point. The Government will not be obligated in any event to reimburse the Contractor in excess of the amount allotted to the contract for those item(s) regardless of anything to the contrary in the clause entitled "Termination for Convenience of the Government." As used in this clause, the total amount payable by the Government in the event of termination of applicable contract line item(s) for convenience includes costs, profit, and estimated termination settlement costs for those item(s).

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (i) of this clause, the Contractor will notify the Contracting Officer in writing at least ninety days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be

reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (i) of this clause, or to a mutually agreed upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for a subsequent period as may be specified in the allotment schedule in paragraph (i) of this clause or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(d) When additional funds are allotted for continued performance of the contract line item(s) identified in paragraph (a) of this clause, the parties will agree as to the period of contract performance which will be covered by the funds. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and agreed substitute date, and the contract will be modified accordingly.

(e) If, solely by reason of failure of the Government to allot additional funds, by the dates indicated below, in amounts sufficient for timely performance of the contract line item(s) identified in paragraph (a) of this clause, the Contractor incurs additional costs or is delayed in the performance of the work under this contract and if additional funds are allotted, an equitable adjustment will be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the item(s), or in the time of delivery, or both. Failure to agree to any such equitable adjustment hereunder will be a dispute concerning a question of fact within the meaning of the clause entitled "Disputes."

(f) The Government may at any time prior to termination allot additional funds for the performance of the contract line item(s) identified in paragraph (a) of this clause.

(g) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default." The provisions of this clause are limited to the work and allotment of funds for the contract line item(s) set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded except with regard to the rights or obligations of the parties concerning equitable adjustments negotiated under paragraphs (d) or (e) of this clause.

(h) Nothing in this clause affects the rights of the Government to terminate this contract pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(i) The parties contemplate that the Government will allot funds to this contract in accordance with the following schedule:

_____ (Insert funding schedule and dates for funding periods.)

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

DOCUMENT	PGS	DATE	TITLE
EXHIBIT A	15	07 DEC 2001	CONTRACT DATA REQUIREMENTS LIST (CDRL) INSTRUCTIONS
ATTACHMENT 1	97	07 DEC 2001	COMBINED SECTIONS L & M
ATTACHMENT 2	5	07 DEC 2001	STATEMENT OF OBJECTIVES
ATTACHMENT 3	12	07 DEC 2001	AWARD FEE AND MISSION SUCCESS FEE PLAN
ATTACHMENT 4	3	07 DEC 2001	FEE RISK RETIREMENT EXAMPLE

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

- 252.209-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A
TERRORIST COUNTRY (MAR 1998)
252.209-7003 COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS (MAR
1998)

**B. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT
SOLICITATION PROVISIONS**

- 5352.215-9000 REPRESENTATIONS AND CERTIFICATIONS (AFMC) (JUL 1997)
Buying activity address is 'SMC/CIK, 2420 Vela Way A-8, Los Angeles AFB CA ____'

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

52.203-02 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)

(a) The offeror certifies that--

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to (i) those prices, (ii) the intention to submit an offer, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory--

(1) Is the person in the offeror's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision ____ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) of this provision have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; and

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

Applies to Firm-Fixed-Price CLIN(s), Fixed-Price Incentive (Firm Target) CLIN(s) only.

Applies to Fixed-Price Incentive (Firm Target) CLIN(s) only.

52.203-11 CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (DEVIATION) (APR 1991)

(Applicable only to this instant procurement, not to 'any' contract, and only if proposal or resultant contract is in excess of \$100,000).

(a) The definitions and prohibitions contained in the clause, at FAR 52.203-12, Limitation on Payments to Influence Certain Federal Transactions, included in this solicitation, are hereby incorporated by reference in paragraph (b) of this certification.

(b) The offeror, by signing its offer, hereby certifies to the best of his or her knowledge and belief that on or after December 23, 1989--

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the offeror shall complete and submit, with its offer, OMB standard form LLL, Disclosure of Lobbying Activities, to the Contracting Officer; and

(3) He or she will include the language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

52.204-03 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

☐ TIN:-----

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of the Federal Government.

(e) Type of organization.

☐ Sole proprietorship;

☐ Partnership;

☐ Corporate entity (not tax-exempt);

☐ Corporate entity (tax-exempt);

☐ Government entity (Federal, State, or local);

☐ Foreign government;

☐ International organization per 26 CFR 1.6049-4;

☐ Other-----

(f) Common parent.

☐ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

☐ Name and TIN of common parent:

Name-----

TIN-----

52.204-05 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (MAY 1999)

(a) Definition. "Women-owned business concern," as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock

is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. (Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.) The offeror represents that it ☐ is, ☐ is not a women-owned business concern.

52.209-05 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (APR 2001)

(a)

(1) The Offeror certifies, to the best of its knowledge and belief, that --

(i) The Offeror and/or any of its Principals --

(A) Are ☐ are not ☐ presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have ☐ have not ☐, within the three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; (This language stayed indefinitely. Please use paragraph (a)(1)(i)(D) below.)

(C) Are ☐ are not ☐ presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision; and (This language stayed indefinitely. Please use paragraph (a)(1)(i)(E) below.)

(D) Have ☐ have not ☐, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(E) Are ☐ are not ☐ presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(D) of this provision.

(ii)(A) (This paragraph (a)(1)(ii) is stayed indefinitely.) The offeror, aside from the offenses enumerated in paragraphs (a)(1)(i)(A), (B), and (C) of this provision, has ☐ has not ☐ within the past three-years, relative to tax, labor and employment, environmental, antitrust, or consumer protection laws-

(1) Been convicted of a Federal or State felony (or has any Federal or State felony indictments currently pending against them); or

(2) Had a Federal court judgment in a civil case brought by the United States rendered against them; or

(3) Had an adverse decision by a Federal administrative law judge, board, or commission indicating a willful violation of law.

(B) If the offeror has responded affirmatively, the offeror shall provide additional information if requested by the Contracting Officer; and

(iii) The Offeror has ☐ has not ☐, within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

This Certification Concerns a Matter Within the Jurisdiction of an Agency of the United States and the Making of a False, Fictitious, or Fraudulent Certification May Render the Maker Subject to Prosecution Under Section 1001, Title 18, United States Code.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

52.215-07 ANNUAL REPRESENTATIONS AND CERTIFICATIONS--NEGOTIATION (OCT 1997)

The offeror has [check the appropriate block]:

☐ (a) Submitted to the contracting office issuing this solicitation, annual representations and certifications dated ____ [insert date of signature on submission] that are incorporated herein by reference, and are current, accurate, and complete as of the date of this proposal, except as follows [insert changes that affect only this proposal; if "none," so state]: ____.

☐ (b) Enclosed its annual representations and certifications.

52.219-01 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2001) - ALTERNATE I (OCT 2000) - ALTERNATE II (OCT 2000)

(a)

(1) The North American Industry Classification System (NAICS) code for this acquisition is ____ (insert NAICS code).

(2) The small business size standard is ____ (insert size standard).

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations.

(1) The offeror represents as part of its offer that it ____ is, ____ is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ____ is, ____ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ____ is, ____ is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ____ is, ____ is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ____ is, ____ is not a service-disabled veteran-owned small business concern.

(c) Definitions. As used in this provision--

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern-

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

"Veteran-owned small business concern" means a small business concern-

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," as used in this provision, means a small business concern --

(1) Which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C.645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall --

- (i) Be punished by imposition of fine, imprisonment, or both;
- (ii) Be subject to administrative remedies, including suspension and debarment; and
- (iii) Be ineligible for participation in programs conducted under the authority of the Act.

Alternate I (Oct 2000). As prescribed in 19.307(a)(2), add the following paragraph (b)(6) to the basic provision:

(6) Complete only if offeror represented itself as small business concern in paragraph (b)(1) of this provision. The offeror represents, as part of its offer, that--

(i) It ___ is, ___ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR Part 126; and

(ii) It ___ is, ___ is not a joint venture that complies with the requirements of 13 CFR Part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____. Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

Alternate II (Oct 2000). As prescribed in 19.307(a)(3), add the following paragraph (b)(7) to the basic provision:

(7) Complete if offeror represented itself as disadvantaged in paragraph (b)(2) of this provision. The offeror shall check the category in which its ownership falls:

___ Black American.

___ Hispanic American.

___ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

___ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

___ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

___ Individual/concern, other than one of the preceding.

52.219-22 SMALL DISADVANTAGED BUSINESS STATUS (OCT 1999)

(a) General. This provision is used to assess an offeror's small disadvantaged business status for the purpose of obtaining a benefit on this solicitation. Status as a small business and status as a small disadvantaged business for general statistical purposes is covered by the provision at FAR 52.219-1, Small Business Program Representation.

(b) Representations.

(1) General. The offeror represents, as part of its offer, that it is a small business under the size standard applicable to this acquisition; and either-

___(i) It has received certification by the Small Business Administration as a small disadvantaged business concern consistent with 13 CFR 124, Subpart B; and

(A) No material change in disadvantaged ownership and control has occurred since its certification; and

(B) Where the concern is owned by one or more disadvantaged individuals, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(C) It is identified, on the date of its representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net); or

___(ii) It has submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(2) ___ For Joint Ventures. The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements at 13 CFR 124.1002(f) and that the representation in paragraph (b)(1) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. [The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: _____.]

(c) Penalties and Remedies. Anyone who misrepresents any aspects of the disadvantaged status of a concern for the purposes of securing a contract or subcontract shall:

(1) Be punished by imposition of a fine, imprisonment, or both;

(2) Be subject to administrative remedies, including suspension and debarment; and

(3) Be ineligible for participation in programs conducted under the authority of the Small Business Act.

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that--

(a) It [] has, [] has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It [] has, [] has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) It ☐ has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.-

(b) By signing this offer, the offeror certifies that----

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or--

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)-

_____ (i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);-

_____ (ii) The facility does not have 10 or more full-time employees as specified in section 313(b)(1)(A) of EPCRA, 42 U.S.C. 11023(b)(1)(A);-

_____ (III) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

_____ (iv) The facility does not fall within Standard Industrial Classification Code (SIC) major groups 20 through 39 or their corresponding North American Industry Classification System (NAICS) sectors 31 through 33; or

_____ (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

52.225-01 BUY AMERICAN ACT-BALANCE OF PAYMENTS PROGRAM-SUPPLIES (FEB 2000)

(a) Definitions. As used in this clause--

Component means any item supplied to the Government as part of an end item or of another component.

Cost of components means--

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the end product (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

(2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the end product.

Domestic end product means--

(1) An unmanufactured end product mined or produced in the United States; or

(2) An end product manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components.

Components of foreign origin of the same class or kind as those that the agency determines are not mined, produced, or manufactured in sufficient and reasonably available commercial quantities of a satisfactory quality are treated as domestic. Scrap generated, collected, and prepared for processing in the United States is considered domestic.

End product means supplies delivered under a line item of a Government contract.

Foreign end product means an end product other than a domestic end product.

United States means the 50 States and the District of Columbia, U.S. territories and possessions, Puerto Rico, the Northern Mariana Islands, and any other place subject to U.S. jurisdiction, but does not include leases bases.

(b) The Buy American Act (41 U.S.C. 10a-10d) provides a preference for domestic end products for supplies acquired for use in the United States. The Balance of Payments Program provides a preference for domestic end products for supplies acquired for use outside the United States.

(c) Offerors may obtain from the Contracting Officer a list of foreign articles that the Contracting Officer will treat as domestic for this contract.

(d) The Contractor shall deliver only domestic end products except to the extent that it specified delivery of foreign end products in the provision of the solicitation entitled "Buy American Act--Balance of Payments Program Certificate."

52.230-01 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION (JUN 2000)

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. DISCLOSURE STATEMENT--COST ACCOUNTING PRACTICES AND CERTIFICATION

(a) Any contract in excess of \$500,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

CAUTION: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

☐ (1) Certificate of Concurrent Submission of Disclosure Statement.

The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows: (i) original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable, and (ii) one copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

☐ (2) Certificate of Previously Submitted Disclosure Statement.

The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____ Name and Address of Cognizant ACO or Federal
Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

☐ (3) Certificate of Monetary Exemption.

The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling \$50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

☐ (4) Certificate of Interim Exemption.

The offeror hereby certifies that (i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and (ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer,

in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

CAUTION: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. COST ACCOUNTING STANDARDS--ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

☐ The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$50 million or more.

III. ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

☐ YES ☐ NO

B. DEFENSE FAR SUPP SOLICITATION PROVISIONS IN FULL TEXT

252.225-7003 INFORMATION FOR DUTY-FREE ENTRY EVALUATION (MAR 1998)

(a) Does the offeror propose to furnish--

(1) A domestic end product with nonqualifying country components for which the offeror requests duty-free entry; or

(2) A foreign end product consisting of end items, components, or material of foreign origin other than those for which duty-free entry is to be accorded pursuant to the Duty-Free Entry--Qualifying Country Supplies (End Products and Components) clause or, if applicable, the Duty-Free Entry--Eligible End Products clause of this solicitation?

Yes () No ()

(b) If the answer in paragraph (a) is yes, answer the following questions:

(1) Are such foreign supplies now in the United States?

Yes () No ()

(2) Has the duty on such foreign supplies been paid?

Yes () No ()

(3) If the answer to paragraph (b)(2) is no, what amount is included in the offer to cover such duty? \$ _____

(c) If the duty has not been paid, the Government may elect to make award on a duty-free basis. If so, the offered price will be reduced in the contract award by the amount specified in paragraph (b)(3). The Offeror agrees to identify, at the request of the Contracting Officer, the foreign supplies which are subject to duty-free entry.

252.227-7017 IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JUN 1995)

(a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--

(1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.

(b) The identification and assertion requirements in this provision apply only to technical data, including computer software documentation, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification and identification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

(c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.

(d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:

Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
---	--------------------------	-----------------------------------	---

*For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

**Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

***Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

***Corporation, individual, or other person, as appropriate.

*****Enter "none" when all data or software will be submitted without restrictions.

Date -----

Printed Name and Title -----

Signature -----

(End of identification and assertion)

(e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.

(f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it--

____ Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

____ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

C. OTHER SOLICITATION PROVISIONS IN FULL TEXT

K001 JOINT VENTURE (MAY 1997)

In addition to the requirements of FAR 4.102, and to assure a single point of contact for resolution of contractual matters and payments under any resultant contract, each participant in a joint venture must complete and sign the certification hereunder. The completed certifications are to be provided with the offerors'/bidders' response to this solicitation.

The parties hereto expressly understand and agree as follows:

(a) _____ is the principal representative of _____ (name, title, and company) the joint venture. As such, all communications regarding the administration of the contract and the performance of the work thereunder may be directed to him or her. In the absence of _____ (same name, title, and company as above), _____ (enter name, title, and company of alternate) is the alternate principal representative of the joint venture.

(b) Direction, approvals, required notices, and all other communications from the Government to the joint venture, including transmittal of payments by the Government, shall be directed to _____ (enter principal representative of name, title and company of principal) the joint venture.
(AF FAR Sup 5304.104(d))

FIRM _____ FIRM _____

NAME _____ NAME _____

TITLE _____ TITLE _____

DATE OF EXECUTION _____ DATE OF EXECUTION _____

NOTE: If additional signatures are required, submit the above certification, in the identical format, as an attachment to your response to this solicitation and complete this block indicating the same [].

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

- 52.204-06 DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JUN 1999)
52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)
Rated Order: 'DX'
52.215-01 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (MAY 2001) -
ALTERNATE I (OCT 1997)
52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN
COST OR PRICING DATA (OCT 1997) - ALTERNATE II (OCT 1997)
52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN
COST OR PRICING DATA (OCT 1997) - ALTERNATE III (OCT 1997)
Alt III, Para (c) Submit the cost portion of the proposal via the following electronic media: '____'
52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN
COST OR PRICING DATA (OCT 1997) - ALTERNATE IV (JUL 1999)
Alt IV, Para (b), Insert description of the information and the format that are required: '____'
52.216-01 TYPE OF CONTRACT (APR 1984)
Type of contract is 'CPAF, FPIF, CPFF, FFP'
52.222-24 PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION (FEB 1999)
52.232-38 SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER (MAY
1999)
52.233-02 SERVICE OF PROTEST (AUG 1996)
Para (a) Official or location is 'EMD/Production Contracting Officer, NPOESS Integrated
Program Office, 8455 Colesville Road Suite 1450, Silver Spring MD 20910'

B. DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

- 252.227-7028 TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE
GOVERNMENT (JUN 1995)
252.234-7000 NOTICE OF EARNED VALUE MANAGEMENT SYSTEM (MAR 1998)

**C. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT
SOLICITATION PROVISIONS**

- 5352.215-9014 SUBMISSION OF COST OR PRICING DATA (AFMC) (AUG 1998)
Para (b), Number of calendar days is '30'
5352.215-9016 ACQUISITION OMBUDSMAN (AFMC) (JUL 1997)
Ombudsman's name is '____'
Ombudsman's telephone number is '____'
5352.227-9001 QUALIFICATION OF OFFEROR UNDER EXPORT - CONTROLLED RESTRICTED
SOLICITATION (AFMC) (JUL 1997)
5352.244-9001 REQUEST FOR DELETION OF ADVANCE NOTIFICATION/CONSENT REQUIREMENT
FOR SUBCONTRACTS (AFMC) (JUL 1997)
Applies to Cost-Plus-Fixed-Fee CLIN(s), Cost-Plus-Award-Fee CLIN(s) only.
Applies to Cost-Plus-Award-Fee CLIN(s) only.
5352.245-9005 ELIMINATION OF COMPETITIVE ADVANTAGE IN THE USE OF GOVERNMENT
PROPERTY (AFMC) (JUL 1997)

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS IN FULL TEXT

52.252-01 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es): <http://farsite.hill.af.mil/>

52.252-05 AUTHORIZED DEVIATIONS IN PROVISIONS (APR 1984)

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the provision.

(b) The use in this solicitation of any Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

B. OTHER SOLICITATION PROVISIONS IN FULL TEXT

L011 APPLICABLE CLAUSES (OCT 1997)

The appropriate clauses to be included in the contract will be determined based on Offeror's response to the Section K representations.

(a) Patent Rights. If the Offeror is a small business firm or nonprofit organization, then FAR 52.227-11, PATENT RIGHTS-RETENTION BY THE CONTRACTOR (SHORT FORM), DFARS 252.227-7034, PATENTS - SUBCONTRACTS, and DFARS 252.227-7039, PATENTS - REPORTING OF SUBJECT INVENTIONS will be used in Section I. Otherwise, FAR 52.227-12, PATENT RIGHTS - RETENTION BY THE CONTRACTOR (LONG FORM), will be included in Section I consistent with FAR Part 27.

(b) Cost Accounting Standards. Section I of this solicitation may contain the three Cost Accounting Standards clauses at FAR 52.230-3, 52.230-4, 52.230-5, and/or 52.230-6. The resultant contract will contain only those clauses required based on the Offeror's response to the Section K certification titled Cost Accounting Standards Notices and Certification (National Defense).

(c) State of New Mexico. Section I of this solicitation may contain the clause at FAR 52.229-10, STATE OF NEW MEXICO GROSS RECEIPTS AND COMPENSATING TAX. The resultant contract will contain this clause only if performance is in whole or in part within the State of New Mexico and the contract directs or authorizes the contractor to acquire property as a direct cost under the contract.

(d) Educational institutions and nonprofit organizations. If a cost-reimbursement type contract is contemplated and the offeror is an educational institution, paragraph (a) of the clause at FAR 52.216-7, Allowable Cost and Payment shall be altered in the resultant contract to refer to FAR Subpart 31.3 for determining allowable costs. Similarly, if the offeror is a nonprofit organization (other than an educational institution, a State or local government, or a nonprofit organization exempted under OMB Circular No. A-122), paragraph (a) of the clause at FAR 52.216-7 shall be altered to refer to FAR Subpart 31.7. In addition, if the offeror is an educational institution, DFARS 252.209-7005, MILITARY RECRUITING ON CAMPUS, will be added to Section I of the resultant contract.

(e) Subcontracting Plan. If the offeror has a comprehensive subcontracting plan under the test program described in 219.702(a), DFARS 252.219-7004, SMALL, SMALL DISADVANTAGED AND WOMEN-OWNED SMALL BUSINESS SUBCONTRACTING PLAN (TEST PROGRAM) will be used in Section I in lieu of FAR 52.219-9, FAR 52.219-16, DFARS 252.219-7003, and FAR 52.219-10.

L029 DETERMINATION OF COMPETITIVE RANGE (FEB 1997)

a. Pursuant to FAR 15.306, the Contracting Officer's determination of competitive range of proposals submitted as a result of this solicitation will consider such criteria as technical evaluation/ranking of the proposal, initial cost/ price proposed, and other items set forth in Section M of this solicitation. See the Section M paragraph entitled "Evaluation Criteria," for a definitive listing of these criteria and their relative importance.

b. Offerors are hereby advised that only those proposals determined to have a reasonable chance for award of a contract will be included in the competitive range. While every effort will be made to maintain strong competition, the Contracting Officer will also look to eliminate time consuming and unnecessary discussions with those offerors whose proposals have no reasonable chance for award. This procedure is considered beneficial to both the Air Force and the offerors involved since, in addition to saving further expenditure of resources, acquisition lead time should be reduced.

c. Accordingly, offerors should submit initial proposals on their most favorable terms, from both a technical and cost/price standpoint. Again, it should be noted that proposals will not be included in the competitive range solely on the basis of technical acceptability, nor will they be included due to cost/price considerations alone.

d. Offerors whose proposals are not included in the competitive range will be notified as soon as practicable. Additional information relative to such proposals will be provided through debriefing of unsuccessful offerors.

L045 ACCESS TO AIR FORCE COMPUTER SYSTEMS (MAR 1999)

If performance under this contract will require access to Air Force computer systems (stand alone or networked), compliance with Air Force Instruction (AFI) 33-119 and Air Force Systems Security Instruction (AFSSI) 5027 is mandatory. It should be noted that such access requires, at a minimum, a National Agency Check or Entrance National Agency Check in accordance with DoD 5200.2-R, Personal Security Program. Offerors should make themselves familiar with local procedures for processing such requirements, and be prepared to be in compliance on the first day of contract performance. Failure to comply with this requirement may be considered a failure to perform.

L-501 COMBINED SECTIONS L & M (NOV 2001)

Attachment 1 to this RFP is a combined Section L (Instructions to Offerors) and Section M (Evaluation Criteria). This Section L contains boilerplate provisions, and must be read in conjunction with the combined Sections L & M.

L-503—OFFEROR NOTICE OF INTENT TO PROPOSE

(a) This RFP was written with the expectation of offers from two sources because attempts to identify potential sources in Commerce Business Daily synopses only resulted in two interested parties (the incumbent PDRR contractors). However, any source may submit an offer.

(b) Because of the logistics of planning the Program Risk Management Oral Presentation, which is required for an offeror to demonstrate the maturity of its design approaches, the Government must have adequate notice to accommodate another potential offeror. Accordingly, any interested party intending to submit an offer (other than the incumbent PDRR contractors) must notify the contracting officer by **13 DEC 2001**. Absent this notice, that party's proposal will not be accepted, evaluated, or considered for award.

I. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION SOLICITATION PROVISIONS

52.217-04 EVALUATION OF OPTIONS EXERCISED AT TIME OF CONTRACT AWARD (JUN 1988)

B. AIR FORCE MATERIEL COMMAND FEDERAL ACQUISITION REGULATION SUPPLEMENT SOLICITATION PROVISIONS

5352.214-9001 AWARD-ALL OR NONE BASIS (AFMC) (AUG 1998)
Appropriate FAR clause '_____'

II. NOTICE: The following solicitation provisions pertinent to this section are hereby incorporated in full text:

OTHER SOLICITATION PROVISIONS IN FULL TEXT

M-501 COMBINED SECTIONS L AND M (NOV 2001)

Attachment 1 to this RFP is a combined Section L (Instructions to Offerors) and Section M (Evaluation Criteria). This Section M contains boilerplate provisions, and must be read in conjunction with the combined Sections L & M.

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**COMBINED
SECTIONS L&M**

**Attachment 1
to
RFP F04701-02-R-0500**

7 DECEMBER 2001

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-501—COMBINED SECTIONS L AND M	3
L&M-502—SOURCE SELECTION OVERVIEW	4
L&M-505—BASIS FOR CONTRACT AWARD.....	5
L&M-511—MISSION CAPABILITY FACTOR EVALUATION.....	7
L&M-512—PAST PERFORMANCE FACTOR EVALUATION.....	8
L&M-513—PROPOSAL RISK FACTOR EVALUATION.....	13
L&M-514—COST FACTOR EVALUATION.....	14
L&M-517—PROGRAM RISK MITIGATION ORAL PRESENTATION.....	16
L&M-519—FINAL PROPOSAL REVISION ORAL PRESENTATION.....	18
L&M-520—NPOESS SYSTEM PRIORITIZATIONS.....	19
L&M-522—GENERAL INSTRUCTIONS	22
L&M-523—USE OF CONTRACTOR SUPPORT SERVICES	24
L&M-525—PROPOSAL FORMAT FOR PAPER SUBMISSIONS.....	25
L&M-527—ELECTRONIC SUBMISSION OF PROPOSAL	27
L&M-530—PREVIOUSLY-SUBMITTED DATA AND PDR DATA	30
L&M-533—CROSS-REFERENCE MATRIX.....	31
L&M-535—INTEGRATED MANAGEMENT FRAMEWORK (IMF)	32
L&M-540—PROPOSAL ASSUMPTIONS	38
L&M-544—SENSOR BASELINES	40
L&M-560—PROPOSAL SUBMISSION REQUIREMENTS SUMMARY	41
L&M-561—PROPOSAL VOLUME 1 INSTRUCTIONS—EXECUTIVE SUMMARY.....	42
L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY	43
L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)	44
Section 1—Subfactor 1—System Performance.....	44
L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)	46
Section 2—Subfactor 2—Segment Design.....	46
L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)	51
Section 3—Subfactor 3 -- Systems Engineering, Integration & Test (SEIT) and Planning.	51
L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)	56
Section 4—Subfactor 4—Management and Organization.....	56
L&M-563—PROPOSAL VOLUME 3 INSTRUCTIONS—PAST PERFORMANCE	59
L&M-564—PROPOSAL VOLUME 4 INSTRUCTIONS—COST	63
L&M-565—PROPOSAL VOLUME 5 INSTRUCTIONS—PROGRAM RISK MITIGATION ORAL PRESENTATION....	69
L&M-566—PROPOSAL VOLUME 6 INSTRUCTIONS—MODEL CONTRACT	70
Annex A—CWBS	A-1
Annex B—Past Performance Questionnaire	B-1

L&M-501—COMBINED SECTIONS L AND M

This is a combined Sections L and M. The rationale for the combining is to provide a clear linkage between the required proposal information and the way the Government plans to evaluate the proposal. The section focuses on the key program objectives contained in the executive summary and the Statement of Objectives (SOO). The entire thrust of the proposal instructions and the evaluation criteria is to understand the offeror's approach to meet the program objectives, support the acquisition strategy, and mitigate the existing risks.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-502—SOURCE SELECTION OVERVIEW

(a) For the convenience of the offeror, a summary of the source selection is provided here. Since this information only summarizes information found elsewhere in this combined Sections L & M, it cannot be relied upon alone. The offeror must read and understand this provision within the context of the entire combined Sections L & M. The Government reserves the right to deviate from the summary provided here as the need arises.

(b) Schedule. The schedule is based on two interested parties, identified here as Offeror A and Offeror B.

- Common cut-off date for submission of paper and electronic proposals, except for the Past Performance Volume which is due two weeks previously (see L&M-560 et seq.).
- Evaluation of Offeror A's proposal (see L&M-510 et seq.).
- Offeror A's Program Risk Mitigation Oral Presentation and clarifications (see L&M-517).
- Completion of Offeror A's evaluation (see L&M-510 et seq.).
- Evaluation of Offeror B's proposal (see L&M-510 et seq.).
- Offeror B's Program Risk Mitigation Oral Presentation and clarifications (see L&M-517).
- Completion of Offeror B's evaluation (see L&M-510 et seq.).
- Initial Status Briefings to SSAC and SSA (including a chart such as Table 510-1).
- Release of ENs to offerors.
- Initial Status Brief to offerors (includes EN review) (using the same charts briefed to the SSAC and SSA).
- EN responses returned to the Government on a common cut-off date.
- Government evaluation of the EN responses.
- Mid-Term Status Briefings to SSAC and SSA (including a chart such as Table 510-1).
- Mid-Term Status Briefings to offerors (using the same charts briefed to the SSAC and SSA).
- Final Proposal Revisions requested from both offerors.
- FPRs submitted with oral presentations (see L&M-519).
- FPRs evaluated.
- Decision Briefings to SSAC and SSA (including a chart such as Table 510-1).
- Award Decision.
- Award Announcement.
- Debriefings (using the same charts briefed to the SSAC and SSA).

(c) Proposal Submission. The offeror submittal requirements of this acquisition are summarized in L&M-560.

L&M-505—BASIS FOR CONTRACT AWARD

(a) The Government will conduct this competitive negotiated acquisition in accordance with FAR Subpart 15.3, Source Selection, and the Defense and Air Force supplements thereto (especially AFFARS Subpart 5315.3, updated by Air Force Acquisition Circular 96-3, 31 Mar 2000). A trade-off process, as described in FAR 15.101-1, will be used in making the source selection decision. This decision will reflect the Source Selection Authority (SSA)'s integrated assessment of the merits of the offeror's submittal. The offeror must recognize that the subjective judgment of Government evaluators is implicit in the evaluation process. The Government contemplates awarding one contract resulting from this solicitation, but reserves the right to make more or no awards. Obtaining best value is the Government's intention. The Government reserves the right to award to a higher-price offeror if this provides the best value.

(b) Price (or cost) will be a part of the SSA's integrated assessment and decision. All evaluation factors other than price, when combined, are significantly more important than price. The offeror is encouraged to exceed minimum technical, performance, reliability and other stipulated Government requirements wherever feasible, provided a balanced approach is considered with respect to program schedule, risk, cost, and the program prioritizations described in L&M-520.

(c) The four evaluation factors are discussed in summary in L&M-510—Evaluation Criteria and in particular in Provisions L&M-511—Mission Capability Factor Evaluation, L&M-512—Past Performance Factor Evaluation, L&M-513—Proposal Risk Factor Evaluation, and L&M-514—Cost Proposal Evaluation. In addition to these, the SSA's integrated assessment and decision will include an evaluation of general considerations. These are—

(1) Adherence to Terms and Conditions (an evaluation of the offeror's proposed terms and conditions to ascertain business prudence and compliance with the terms and conditions intended within the solicitation);

(2) Overall soundness of the offeror's proposed approach;

(3) Subcontracting Plan (an evaluation of the offeror's Small, Small Disadvantaged, and Women-Owned Business Subcontracting Plan to ascertain whether the plan addresses the minimum goals for participation in the resulting contract by small businesses, small disadvantaged businesses, women-owned businesses, and Historically Black Colleges and Universities and Minority Institutions);

(4) Mentor-Protégé Agreements; and

(5) Proposed incentives, commitments, and warranties offered by the offeror for the Government's benefit during the life of the contract.

(d) Proposal information provided for one factor may be used to assess other factors if the Government deems it appropriate. However, the Government is not required to use information provided for one factor to assess other factors, unless the offeror makes specific references from one volume or section to the next. The Government may use other Past Performance data that was not provided by the offeror in its evaluation. A deficiency in one area of a proposal may result in the entire proposal being found to be unacceptable. Past performance problems not addressed by the offeror will be considered to be still in existence.

(e) Performance thresholds and objectives are identified in the NPOESS Technical Requirements Document (TRD).

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M 510 EVALUATION CRITERIA

The Government will evaluate proposals, the Program Risk Mitigation Oral Presentation, and the Final Proposal Revision Oral Presentation against the factors and subfactors as depicted in Table 510-1. Factors 1, 2, and 3 are each more important than Factor 4; and when combined are significantly more important than Factor 4. However, cost will be a significant consideration in the selection decision (see FAR 15.304(e)).

Table 510-1—Evaluation Matrix							
			Mission Capability and Proposal Risk Subfactors				
			(subfactors equal in importance to each other)				
			1. System Performance	2. Segment Design	3. SEIT and Planning	4. Management and Organization	
Evaluation Factors	(most important factors and equal to each other)	1. Mission Capability	B	B	B	B	
			G	G	G	G	
			Y	Y	Y	Y	
			R	R	R	R	
		2. Past Performance	High Confidence Significant Confidence Confidence Little Confidence No Confidence Unknown Confidence				
			3. Proposal Risk	H M-H M L-M L	H M-H M L-M L	H M-H M L-M L	H M-H M L-M L
				(least important factor)	4. Cost*	Proposed Cost: \$ _____ instant contract	
		\$ _____ life-cycle cost				\$ _____ life-cycle cost	

* Proposed cost is the offeror’s proposed contract and life-cycle price to the Government and probable cost is the Government’s assessment of likely costs. The instant contract value is inclusive of options.

L&M-511—MISSION CAPABILITY FACTOR EVALUATION

The Mission Capability evaluation provides the offeror an opportunity to describe its proposed best-value system and explain how the system's performance satisfies the requirements of the TRD and meets objectives of the SOO. The Mission Capability factor is divided into four Mission Capability subfactors (these are listed in Table 510-1 and described in L&M-562). The Mission Capability Factor is evaluated at the subfactor level.

L&M-562 provides both the specific instructions to the offeror regarding the Mission Capability subfactors and the evaluation criteria with which the subfactors will be evaluated. The rating definitions in Table 511-1 will be used to evaluate each of the Mission Capability subfactors. The subfactor ratings will not be rolled-up into an overall Mission Capability rating. For ease in categorizing evaluator comments, each Mission Capability subfactor is divided into parts in L&M-562—however, these parts are not assigned ratings and are not listed in any order of priority.

Table 511-1—Mission Capability Evaluation Ratings (assigned at the subfactor level)		
Color—	Rating—	Definition—
B	Exceptional	Exceeds specified minimum performance or capability requirements in a way beneficial to the Government.
G	Acceptable	Meets specified minimum performance or capability requirements necessary for acceptable contract performance.
Y	Marginal	Does not clearly meet some specified minimum performance or capability requirements necessary for acceptable contract performance, but any proposal inadequacies are correctable.
R	Unacceptable	Fails to meet specified minimum performance or capability requirements. Proposals with an unacceptable rating are not awardable.

Source: AFFARS 5315.305(a)(3)(i).

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-512—PAST PERFORMANCE FACTOR EVALUATION

(a) The Government intends to conduct a Past Performance evaluation using information in Volume 3 of the offeror's proposal, along with any other past or present performance information available, including previous, relevant, past performance evaluations (i.e. PDRR source selections). Material defining performance since March 1997 (past 5 years) will be considered relevant. It is incumbent upon the offeror to explain the relevance of all data provided. Relevant past performance information will be obtained through CPARS; questionnaires tailored to the circumstances of this acquisition; Defense Contract Management Agency (DCMA) channels; and interviews with program managers and Contracting Officers, or other sources known to the Government, including commercial sources. In conducting the performance confidence assessment, the Government will use both data provided by the offeror and data obtained from other sources. This information may include data on efforts performed by other divisions, critical subcontractors, or teaming contractors, if such resources will be brought to bear or significantly influence the performance of the proposed effort. Offerors will be provided an opportunity to address any negative or adverse past performance information received by the PRAG during this evaluation (subject to the restrictions of FAR 15.306(e)(4)), which they have not had an opportunity to address in the past.

(b) The Performance Risk Assessment Group (PRAG) will evaluate relevant current and past performance to assess confidence in the ability of the offeror's team to meet the requirements of this solicitation. The PRAG will assess the demonstrated record of performance of each offeror's team in relevant management, cost, and technical experience with the life-cycle development of similar systems, including, but not limited to, space-based remote sensing systems, distributed ground and communications architectures, large software development contracts, multi-satellite constellations, taskable satellite systems, on-orbit operations, and producibility/production experience of the offeror and the offeror's participating divisions and proposed subcontractors. Experience of the offeror as a subcontractor on similar efforts, commercial work, and independent research and development (IRAD) is also relevant. The Government will consider the team's demonstrated record of contract compliance, including cost and schedule, in supplying products and services that meet users' needs. The Government will also be factoring problem solving, implementation methods, and success rates into the offeror's overall past performance assessment. The performance risk assessment will be focused on the mission capability subfactors and cost control. Based on these subfactor evaluations, an overall performance risk rating encompassing the offeror's proposal as a whole will be assigned as shown in Table 512-1.

(c) Contracts involving tasks and products that most closely resemble the work that the contractor/subcontractor will accomplish on NPOESS EMD/Production will have the most relevancy. More recent and relevant performance will have a greater impact on the Performance Confidence Assessment than less recent or relevant effort. A strong record of relevant past performance may be considered more advantageous to the Government than an "Unknown Confidence" rating. Likewise, a more relevant past performance record may receive a higher confidence rating and be considered more favorably than a less relevant record of good performance.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 512-1—Past Performance Evaluation Ratings (assigned at the factor level)	
Rating—	Definition—
HIGH CONFIDENCE:	(Exceptional Confidence) Based on the offeror's performance record, essentially no doubt exists that the offeror will successfully perform the required effort.
SIGNIFICANT CONFIDENCE	(Very Good Confidence) Based on the offeror's performance record, little doubt exists that the offeror will successfully perform the required effort.
CONFIDENCE	(Satisfactory Confidence) Based on the offeror's performance record, some doubt exists that the offeror will successfully perform the required effort.
LITTLE CONFIDENCE	(Marginal Confidence) Based on the offeror's performance record, substantial doubt exists that the offeror will successfully perform the required effort. Changes to the offeror's existing process may be necessary in order to achieve contract requirements.
NO CONFIDENCE	(Unsatisfactory Confidence) Based on the offeror's performance record, extreme doubt exists that the offeror will successfully perform the required effort.
UNKNOWN CONFIDENCE	No performance record identifiable (see FAR 15.305(a)(2)(iii) and (iv)).
Source: AFFARS 5315.305 (a)(2)(S-92)	

(d) Relevancy is a threshold question when considering past performance, not a separate element of past performance. A "1" to "5" relevancy rating will be used. A contract rated "3" or higher will be considered relevant for this solicitation. Irrelevant past performance will not be evaluated. The following table will be used as a guide for determining relevancy.

Table 512-2—Relevancy Ratings						
MC Subfactor	Relevancy Ratings					
System Performance	None	Low = 1	Med Low = 2	Medium = 3	Med High = 4	High = 5
Segment Design						
SEIT & Planning						
Management & Organization						
Cost						
	Irrelevant			Relevant		
NOTE: A rating of 4 or 2 is possible. A 4 rating shall be given when past performance data exceeds the criteria of a 3 but does not fully meet the criteria of a 5. A 2 rating shall be given when past performance data exceeds the criteria of a 1 but does not fully meet the criteria of a 3.						
NOTE: The Government will regard as relevant only information pertaining to contracts currently in development or production, completed, or awarded since March 1997.						

(e) The criteria detailed in Table 512-3 will be used to establish a relevancy for each submitted contract.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 512-3 Relevancy Criteria				
Mission Capability				
System Performance				
	High = 5	Medium = 3	Low = 1	None = 0
Relevancy Rating Equally relevant to hardware and software contracts	Since March 1997: Was in an EMD phase (higher relevance since this is the kind of contract we're looking for) - AND – Includes both space and ground elements - AND – Includes "TSPR-like" system performance responsibilities	Since March 1997: Was in a Concept Definition phase - AND – Includes a space element - OR –(an AND here could make this a relevancy of 4) Includes a ground element - AND – Includes "TSPR-like" system performance responsibilities	Since March 1997: Was in a pre-Concept Definition - OR –(an AND here could make this a relevancy of 2) Includes a space or ground element - OR –(an AND could make this a relevancy of 2) Includes "TSPR-like" system performance responsibilities	Since March 1997: Was not involved in any Government acquisition process - AND – Does not include a space or ground element - AND – Does not include "TSPR-like" system performance responsibilities
Segment Design				
	High = 5	Medium = 3	Low = 1	None = 0
Relevancy Rating Note: If system is not operational, decrease relevancy by at least one point	Since March 1997: Directly involved with the construction and/or operation of a new space environmental data collection system. - AND - Directly involved with the integration and/or operation of multiple independent <u>sensors</u> in a single space platform. - AND - Directly involved with the <u>development</u> and/or operation of a new ground environmental data processing system - OR - Directly involved with the <u>integration</u> of environmental data into existing ground systems	Since March 1997: Directly involved with the construction and/or operation of a new space environmental data collection system. - OR – (an AND here could make this a relevancy of 4) Directly involved the integration of multiple independent <u>components</u> into a single space system - OR - Directly involved with the <u>integration</u> of environmental data into existing ground systems	Since March 1997: Involved only sensors or components of a system - OR – (an AND here could make this a relevancy of 2) Involved integration of a single component into one system - OR – (an AND here could make this a relevancy of 2) Involved with only sending data to ground systems	Since March 1997: Was not involved with any system - AND – Not involved with any integration of a space system - AND – Not involved with a ground comm. or architecture.

Table 512-3 Relevancy Criteria Tables (cont'd)

System Engineering, Integration, and Test (SEIT) & Planning				
	High = 5	Medium = 3	Low = 1	None = 0
	<p>Since March 1997: Directly involved with testing AND calibrating a spaceborne environmental (i.e. meteorological) data collection & processing system AND directly involved with developing and maintaining plans.</p> <p>-AND- Directly involved with multiple satellite/sensor AND comm. interfaces (satellite/ground/ user)</p> <p>-AND- Involved with environmental (i.e. meteorological) data processing</p>	<p>Since March 1997: Directly involved with testing AND calibrating a spaceborne data collection & processing system AND directly involved with developing and maintaining plans.</p> <p>- OR – (an AND here could make this a relevancy of 4)</p> <p>Directly involved with multiple satellite/sensor AND comm. interfaces (satellite/ground/ user)</p> <p>- OR – (an AND here could make this a relevancy of 4)</p> <p>Involved with data processing</p>	<p>Since March 1997: Involved with testing AND calibrating a spaceborne data collection & processing system OR had plans developed and maintained by an external agency.</p> <p>- OR – (an AND here could make this a relevancy of 2)</p> <p>Involved any data interfacing effort</p> <p>- OR – (an AND here could make this a relevancy of 2)</p> <p>Involved any data effort</p>	<p>Since March 1997: Was not involved with any spaceborne data collection & processing system OR no plans were involved.</p> <p>- AND – Not involved with complex satellite/sensor interfaces AND complex comm. interfaces (satellite/ground/ user)</p> <p>- AND – Not involved with any data effort</p>
Management and Organization				
	High = 5	Medium = 3	Low = 1	None = 0
<p>Relevancy Rating</p> <p>Equally relevant to hardware and software contracts</p>	<p><u>Since March 1997: Obtained corporate /sector resources from multiple geographically separated sources</u></p> <p>-OR- <u>Subcontractor span of control exceeded 5 companies</u></p> <p>-AND- <u>Staffing plan ensured key program personnel retainability</u></p> <p>-AND- <u>Ensured sufficient design flexibility to meet schedule, cost, performance constraints</u></p>	<p><u>Since March 1997: Subcontractor span of control exceeded 3 companies</u></p> <p>- OR – (an AND here could make this a relevancy of 4)</p> <p><u>Staffing plan addressed key program personnel retainability</u></p> <p>-AND- <u>Addressed design flexibility to meet cost, schedule, and performance constraints</u></p>	<p><u>Since March 1997: Subcontractor span of control was ≤ 3 companies</u></p> <p>- OR – (an AND here could make this a relevancy of 2)</p> <p><u>Staffing plan did not address key program personnel retainability</u></p> <p>-OR- <u>Did not incorporate design flexibility to meet schedule, cost, performance constraints</u></p>	<p><u>Since March 1997: Did not involve subcontractor support</u></p> <p>- AND – <u>Did not have cost, schedule, and performance constraints</u></p>

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 512-3 Relevancy Criteria Tables (cont'd)

Cost				
	High = 5	Medium = 3	Low = 1	None = 0
Equally relevant to hardware and software contracts	> \$200M -AND- > 5 year effort duration	\$100M - \$200M - AND – > 3 year effort duration	< \$100M - OR - < 3 year effort duration	No contracts experience.

L&M-513—PROPOSAL RISK FACTOR EVALUATION

(a) The Proposal Risk assessment focuses on the risks and weaknesses associated with an offeror's proposed approach. Assessment of risk is done at the Mission Capability subfactor level, and includes potential for disruption of schedule, increased cost, degradation of performance, and the need for increased Government oversight as well as the likelihood of unsuccessful contract performance. The subfactor evaluations are not rolled-up into an overall Proposal Risk rating but are presented at the subfactor level.

(b) There is no separate proposal volume for the Proposal Risk Factor. Information from the IMP, other proposal volumes, and the Program Risk Mitigation Oral Presentation will be used to rate proposal risk. The proposal risk ratings will reflect the Government's assessment of the risk associated with each offeror's approach, using the rating definitions in Table 513-1 (Proposal Risk Evaluation Ratings).

Table 513-1—Proposal Risk Evaluation Ratings (assigned at the Mission Capability subfactor level)	
Rating—	Definition—
H	High. Likely to cause significant disruption of schedule, increased cost or degradation of performance. Risk may be unacceptable even with special contractor emphasis and close Government monitoring.
M-H	Moderate-High. In between Moderate and High.
M	Moderate. Can potentially cause some disruption of schedule, increase in cost, or degradation of performance. However, special contractor emphasis and close Government monitoring will probably be able to overcome difficulties.
L-M	Low-Moderate. In between Low and Moderate.
L	Low. Has little potential to cause disruption of schedule, increase in cost, or degradation of performance. Normal contractor effort and normal Government monitoring will probably be able to overcome difficulties.
Source: AFFARS 5315.505(a)(3)(ii) for H, M, and L ratings. M-H and L-M ratings will be used when the Government's evaluation does not provide an unambiguous H, M, or L rating.	

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-514—COST FACTOR EVALUATION

Cost will be evaluated for realism and reasonableness. Each element of cost shall have a program risk assessment that will be dollarized to develop a Probable Cost (PC) estimate. The Government will use the PC to evaluate contract cost.

These instructions are provided to assist the offeror in developing and presenting information required to support the Cost Proposal. Compliance with these instructions is mandatory and failure to comply may result in the proposal being determined to be non-responsive to the solicitation.

(a) Cost Information Requirements. In accordance with FAR 15.403-1(b) and 15.403-3(a), information other than cost or pricing data is required to support the Government's evaluation of price reasonableness and cost realism. Information required shall be provided in accordance with the tailored formats specified hereunder. However, use of offeror formats is encouraged providing that all the required information is made available. This information is not considered cost or pricing data and thus certification is not required in accordance with FAR 15.406-2. If, after receipt of proposals, the contracting officer determines that there is insufficient information available to determine price reasonableness and none of the exceptions at FAR Subpart 15.403-1 apply, the offeror will be required to submit cost or pricing data.

(b) Required Data. All information relating to the proposed cost or pricing data, including all required supporting documentation, must be included in the section of the proposal designated as the Cost Proposal volume. Cost-related information such as cost trade-off information, work hour estimates, and material kinds and quantities may be used in other volumes only to the limited extent necessary.

(c) Estimating Techniques and Methods. The offeror and its subcontractors may submit cost estimates using appropriately validated parametric models that are part of its disclosed cost estimating systems. These cost estimates shall include contemporary estimating methods such as cost-to-cost and cost-to-non-cost estimating relationships (CERs); commercially available parametric cost models; and in-house developed parametric cost models. If necessary, reasonable and supportable allocation techniques may be used to spread hours and/or cost to lower levels of the Work Breakdown Structure (WBS). The offeror's use or non-use of parametric estimating techniques for this proposal will not be a factor (positive or negative) in the evaluation of the offeror's response to this solicitation. Cost estimates submitted using such parametric models shall produce cost estimates that are reasonable and consistent and as such create a basis for negotiation of price.

(d) Offeror Cost Model and Cost Proposal. The offeror may reference its life-cycle cost estimate model submitted in its Cost Volume as a response to other requirements listed in this RFP. However, the information requested below must be contained in the contractor LCCE model. In addition, if the information is not identified in the same format, the offeror shall provide a detailed explanation as to where the information will be found.

(e) Instructions. The offeror shall provide the Cost/Price Volume in four sections described in L&M-564.

(f) Cost Evaluation Criteria. The evaluation of contract price (basic effort plus all priced options) and Life Cycle Cost will include an assessment of realism and reasonableness as defined below. Any supplemental cost proposals submitted in accordance with this Section will also be

assessed for realism and reasonableness.

(1) Realism.

(A) To ensure that the offeror's proposed costs are consistent with its technical proposal and reflect a clear understanding of the program requirements, the Government will perform a Cost Realism Analysis (CRA) in accordance with FAR 15.404-1(d)(2). This is an assessment of the compatibility of the proposed cost with the proposal scope and efforts, the list of estimating ground rules and assumptions, and the schedule duration. In addition, the LCC estimate, relative to the CAIV objectives, shall be evaluated consistent with the Consolidated NPOESS EDR Prioritization List at Table 520-2.

(B) As part of the CRA, the Government will develop a Probable Cost (PC) for each offeror's cost proposal in accordance with FAR 15.404-1(d)(2)(ii). The offeror's cost/price proposal will be evaluated by using the PC. The offeror's proposed estimated costs for the basic effort and proposed target price, ceiling price, and share ratio for the optional effort shall not be controlling for source selection purposes. PC shall be determined and measured as the Government estimate of anticipated performance.

(C) The PC will include any additional costs deemed necessary for performance under the contract such as, but not limited to award fee, target profit, Government-Furnished Property (GFP), Government facilities, and may include risk mitigation costs applicable to any proposal risk subfactor rated other than "low". In addition, the PC will include the Government's estimate of any cost impacts resulting from demands imposed by the sensor on spacecraft performance, for example, resulting from sensor-unique accommodation issues.

(D) The burden of proof regarding cost credibility rests with the offeror. Proposal risk will be increased in any offer determined unrealistically low compared to the anticipated costs of performance and without reasonable and complete explanation. In this case, the Government will assume the offeror does not have an understanding of the technical requirements of the corresponding mission capability subfactor(s). Evaluators may factor this assumption into the PC determination.

(2) Reasonableness.

(A) Reasonableness of an offeror's proposal will be evaluated using one or more price analysis techniques described in FAR Subpart 15.404-1(b). If the Contracting Officer determines that Adequate Price Competition (APC) has not been obtained, reasonableness will be evaluated using cost analysis techniques described in FAR Subpart 15.404-1(c).

(B) Compliance with Near Term Funding Profile. The offeror's proposed cost will be evaluated to ensure that it substantially complies cumulatively with the near term funding profile provided in L&M-564. Any exceptions shall be adequately justified.

(C) Reconciliation of LCCE. The LCCE shall be evaluated to ensure that all differences between the cost proposal and the LCCE are reconcilable and substantiated and that appropriation types required and timing are consistent with DoD and DOC funding policy. If an alternate non-standard funding policy is also proposed, then the explanation of the non-standard funding approach and other exceptions to funding policy are fully substantiated and defensible. The offer shall not be contingent on acceptance of the alternate funding approach.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-517—PROGRAM RISK MITIGATION ORAL PRESENTATION

(a) Each offeror shall substantiate its designs, and technical and management approaches during a Program Risk Mitigation Oral Presentation that may not exceed ten working days. This presentation includes the material required to be delivered during the NPOESS Program Definition and Risk Reduction Preliminary Design Review (PDR) and Ground Demonstration Four plus additional system engineering and integration, program plan, management and organization and cost information needed to support the offeror's proposal in its Mission Capability, Past Performance, and Cost volumes. The technical portion of the oral presentation should follow the sequence of the Mission Capability subfactors outlined in L&M-562, unless simultaneous sessions are held.

(b) The offeror is responsible for planning and scheduling the combined Program Risk Mitigation Oral Presentation at its own facility. Where the offeror contemplates simultaneous technical, cost, or past performance sessions, it will obtain the concurrence of the contracting officer. The offeror may, and is expected to, request and obtain this concurrence before submitting its proposal. The workday shall not exceed 9 hours for each day, inclusive of lunch and breaks. The offeror shall provide the Government a half-hour caucus at least four times a day. The briefing charts used during the Program Risk Mitigation Oral Presentation shall be the same charts submitted as Volume 5 of the proposal and shall not be updated prior to presenting the information.

(c) The purpose of the oral presentation is to allow for clarification and substantiation of the assertions made in the offeror's proposal. The offeror is cautioned that this is not a forum for negotiations, bargaining, or changing or adding to the offeror's proposal; accordingly, the offeror's proposal as contained in its Mission Capability, Past Performance, and Cost Volumes should be as complete as practicable. The Government will evaluate the Program Risk Mitigation Oral Presentation only to substantiate and reinforce its Mission Capability, Past Performance, Proposal Risk, and Cost evaluations. The Program Risk Mitigation Oral Presentation will be evaluated for overall substantiation of the proposal and the risk mitigation plans that the offeror plans to implement. This includes the data that substantiates the progress-to-date and the offeror's approach to continue progress and mitigation efforts.

(d) Clarification questions will be provided to the offeror no later than the afternoon of Friday before the oral presentation, and the offeror may address these clarifications orally during the course of its oral presentation and by paper response before the close of the oral presentation.

(e) The requirements for the Program Risk Mitigation Oral Presentation Volume of the proposal are found at L&M-565.

(f) The Government's use of the PDR as an oral presentation in the source selection does not in any way relieve the offeror of its contractual duties under its PDRR contract.

(g) A recent USD/AT&L review drew attention to software difficulties being faced by other programs. To help NPOESS avoid these same difficulties, the Government desires a single, integrated presentation (not to exceed one day) at the Program Risk Mitigation Oral Presentation on how the offeror's software program specifically addresses and mitigates the problems described below:

- Requirements analysis and decomposition was not complete
- Rigorous/disciplined development and test approach was not followed
- S/W engineering culture was weak

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

- S/W processes were not adhered to
- Metrics were insufficient to assess S/W Quality
- Schedules did not account for complexity of S/W
- Schedules did not account for limitations/ H/W resources
- Inadequate development infrastructure
- Productivity assumptions were too aggressive
- Weak relationship with operators – they didn't understand what the contractor was delivering

(h) In addition to the slides prepared and submitted with its proposal according to L&M-565, the offeror may also project or display extracts from its previously-submitted data or PDR data prepared and submitted according to L&M-530.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-519—FINAL PROPOSAL REVISION ORAL PRESENTATION

(a) The offeror will be invited to give an oral presentation at the time its final proposal revision is submitted. The purpose of the oral presentation is to allow the offeror to summarize its final proposal revision and, if needed, to allow the Government to obtain any clarifications needed to fully understand its proposal. The oral presentation will be at the Government's facilities in Silver Spring, Maryland. The offeror is responsible for videotaping the oral presentation and providing a videotape of the oral presentation to the Government immediately upon its conclusion.

(b) The Government will notify the offeror of the date and time for its oral presentation at least one week beforehand, and will provide the offeror access to the presentation room two hours before the oral presentation is scheduled to begin.

(c) The offeror will be allowed three hours to present their FPR. The FPR presentation shall focus on the deltas to the previously submitted proposal. After the offeror's presentation the Government will caucus to develop questions. The questions will then be provided to the offeror. The offeror will then be required to provide oral responses to the questions on the afternoon of the next day in a session that may not exceed two hours.

L&M-520—NPOESS SYSTEM PRIORITIZATIONS

(a) The most critical NPOESS requirements or Key Performance Parameters (KPPs) (Category IA EDRs, Data Access, & Interoperability) are considered minimum, measurable capabilities or characteristics required to satisfy the users' needs, and offers not meeting thresholds in these areas are deficient (see AFFARS 5315.301-90(o)).

(b) For non-KPP performance thresholds, the offeror is provided limited flexibility to propose solutions that may not meet threshold requirements as defined in AFFARS 5315.301-90(o). For this purpose, the use of the terms "threshold performance requirement", "threshold requirement", or "threshold" in this solicitation and the associated source selection process, including proposal evaluations, does not follow the definitions in AFFARS 5315.301-90(o). The evaluation requirements, criteria, and process for this evaluation have been structured to provide the offeror with flexibility and trade space in its proposed solutions with respect to technical/design trades and Cost-As-an-Independent-Variable (CAIV) considerations and other program prioritizations as described in this provision. The burden is on the offeror to provide convincing rationale for the Government's acceptance of such solutions when an offeror's trades result in performance below threshold.

Table 520-1—NPOESS Integrated Requirements Priority List (IRPL)	
Ranking	Requirements
1	Category 1A EDRs*, Data Access, Interoperability
2	Data Availability, and System Ao
3	Category IIA EDRs*
4	Category IIB EDRs*
5	Cost
6	ILS (Includes OPS); Flexibility, Expansion, and Robustness (Includes new instruments, new/upgraded algorithms, rapid prototyping, loss of a node, replenishment, field terminal S/W approach, etc.)
7	Category IIIB EDRs*
8	Survivability [TRD App B]
9	P3I EDRs*
*EDR includes all attributes (including latency) and associated RDRs	

(c) Performance parameters stated as objectives follow the definition in AFFARS 5315-301-90(b) and represent the capability or characteristic desired by the user which the program manager would like to obtain. An "objective performance requirement", "objective requirement", or "objective" is a measurable, desirable capability or characteristic above the threshold and which represents an operationally meaningful increment above the threshold performance requirement.

(d) For the purpose of providing insight to the offeror as it crafts its best-value solution, NPOESS EDRs, including all attributes, have been divided into two types of categories: Threshold Categories (I, II, and III) and Objective Categories (A and B) as listed in Table 520-2—Consolidated NPOESS EDR Prioritization List. Categories I, II, and III determine ranking of threshold requirements. Categories A and B determine relative importance of exceeding thresholds or approaching objectives. EDR characteristics include all attributes (including latency) and associated RDRs. These categories are—

Category I-A. Trades addressing performance below TRD Threshold levels are not of interest. There is substantial value to the Government if thresholds are exceeded and objectives

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

are approached.

Category II-A. Achievement of TRD threshold levels is expected, but an offer with trades addressing performance below TRD threshold levels may be acceptable only where the thresholds are significant design or cost drivers and below-threshold performance will provide significant benefit to the Government in the offeror's overall best-value solution (e.g., reduced cost, improved performance in other EDRs, improved spacecraft accommodation, etc.). There is value to the Government if thresholds are exceeded and objectives are approached.

Category II-B. Same as Category IIA, except that there is lesser value to the Government if thresholds are exceeded.

Category III-B. TRD threshold level performance is expected but satisfaction of these EDRs should not significantly drive system design or cost. An offer with trades addressing performance below TRD threshold levels may be acceptable. There is little value to the Government if thresholds are exceeded.

Table 520-2—Consolidated NPOESS EDR Prioritization List

Baseline NPOESS EDRs (55) derived from IORD II, as modified and reflected in latest version of the NPOESS TRD, Appendix D. P3I EDRs not shown. Sensor assignments are “notional” Government allocations. [p] = primary contributor; [aw] = all weather.

EDR	Cat.	Sensor	EDR	Cat.	Sensor	EDR	Cat.	Sensor
Atmospheric Vertical Moisture Profile (KPP)	I-A	CrIS/ATMS[p]/CMIS[aw]	Ocean Wave Characteristics/Significant Wave Height	II-A	Altimeter	Medium Energy Charged Particles	II-B	SESS
Atmospheric Vertical Temperature Profile (KPP)	I-A	CrIS/ATMS[p]	Ozone (Total Column)	II-A	OMPS	Net Solar Radiation (TOA)	II-B	ERBS
Global Sea Surface Winds (Speed) (KPP)	I-A	CMIS	Ozone (Vertical Profile)	II-A	OMPS	Neutral Density Profile	II-B	SESS
Imagery (KPP)	I-A	VIIRS[p]	Precipitable Water/Integrated Water Vapor	II-A	CMIS	Outgoing Long-wave Radiation (TOA)	II-B	ERBS
Sea Surface Temperature (KPP)	I-A	VIIRS	Precipitation (Type/Rate)	II-A	CMIS	Precipitable Water/-Integrated Water Vapor	II-B	VIIRS
Soil Moisture (KPP)	I-A	CMIS	Sea Ice Characterization	II-A	VIIRS[p]	Sea Ice Characterization	II-B	CMIS[aw]
Aerosol Optical Thickness	II-A	VIIRS	Sea Surface Height/Topography	II-A	Altimeter	Solar Irradiance	II-B	TSIS
Aerosol Particle Size	II-A	VIIRS	Sea Surface Temperature	II-A	CMIS[aw]	Supra-thermal to Auroral Energy Particles	II-B	SESS
Albedo (surface)	II-A	VIIRS	Snow Cover/Depth	II-A	VIIRS[p]	Auroral Imagery	III-B	SESS
Atmospheric Vertical Temperature Profile	II-A	CMIS[aw]	Surface Type	II-A	VIIRS	Cloud Base Height	III-B	VIIRS/CMIS
Auroral Boundary	II-A	SESS	Active Fires (Application of Surface Type)	II-B	VIIRS	Global Sea Surface Wind Stress	III-B	CMIS
Cloud Cover/Layers	II-A	VIIRS	Suspended Matter	II-A	VIIRS	Imagery	III-B	CMIS[aw]
Cloud Effective Particle Size	II-A	VIIRS	Total Water Content	II-A	CMIS	In-situ Plasma Fluctuations	III-B	SESS
Cloud Ice Water Path	II-A	CMIS	Vegetation Index	II-A	VIIRS	In-situ Plasma Temperature	III-B	SESS
Cloud Liquid Water	II-A	CMIS	Aerosol Optical Thickness	II-B	APS	Ionospheric Scintillation	III-B	SESS/-GPSOS[p]
Cloud Optical Thickness	II-A	VIIRS	Aerosol Particle Size	II-B	APS	Net Heat Flux	III-B	VIIRS
Cloud Top Height	II-A	VIIRS	Aerosol Refractive Index, SSA, and Shape	II-B	APS (aerosol)	Pressure (Surface/Profile)	III-B	CrIS/ATMS/-CMIS
Cloud Top Pressure	II-A	VIIRS	Auroral Energy Deposition	II-B	SESS	Snow Cover/Depth	III-B	CMIS[aw]
Cloud Top Temperature	II-A	VIIRS	Cloud Particle Size Distribution	II-B	APS (aerosol)	Soil Moisture	III-B	VIIRS
Electric Field	II-A	SESS	Downward Long-wave Radiation (surface)	II-B	ERBS	Surface Type	III-B	CMIS
Electron Density Profile	II-A	SESS/-GPSOS[p]	Downward Short-wave Radiation (surface)	II-B	ERBS			
Geomagnetic Field	II-A	SESS	Energetic Ions	II-B	SESS			
Global Sea Surface Winds (Direction)	II-A	CMIS	Ice Surface Temperature	II-B	CMIS[aw]			
Ice Surface Temperature	II-A	VIIRS	Land Surface Temperature	II-B	CMIS[aw]			
Land Surface Temperature	II-A	VIIRS						
Ocean Color	II-A	VIIRS						

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-522—GENERAL INSTRUCTIONS

(a) General Guidance. The paragraphs below contain the instructions for preparing and submitting a proposal in response to the NPOESS Engineering and Manufacturing Development and Production phase Request For Proposal (RFP). The offeror shall provide a single proposal that is fully integrated across all functional areas and is responsive to the NPOESS SOO, the TRD, this Section and all other aspects of the solicitation. Requested information may be satisfied by a range of substantiating data from design philosophy, analysis, laboratory and other data. However, any information submitted shall have a clear explanation as to where it came from and how it was derived. The offeror's proposal must contain all the pertinent information in sufficient detail to permit evaluation of the proposed program.

(b) Content. The offeror's proposal must clearly demonstrate that the offeror: has a thorough understanding of the solicitation and associated risks; has valid and practical solutions for all requirements; and has processes or can obtain access to required resources to fulfill all the requirements. Unsubstantiated statements that the offeror understands, or can or will comply with the requirements, and statements that only paraphrase the requirements or parts thereof are inadequate. The offeror is advised that the quality of information is more important than the quantity. Clarity, brevity, and logical organization should be emphasized during the proposal preparation. The offeror must include any data necessary to substantiate his system performance baseline and illustrate the adequacy of the various assumptions, design approaches, and solutions to problems. There is no need to repeat information in more than one section if an overlap exists; the detailed information should be included in the most logical place and summarized or referenced in the other areas. Unnecessarily elaborate proposals are neither necessary nor desired. The offeror shall submit an offer and other written proposal information in accordance with instructions within this Section.

(c) Contractor Investment. The Government will not accept any proposed offeror investment in the NPOESS EMD and Production phase, nor will any proposed investments be used in the evaluation.

(d) Alternate Proposals. Alternate proposals are not permitted in response to the solicitation.

(e) Classified Proposals. The Government anticipates that proposals will include classified information. The PCO's approval is required prior to the offeror's submission of classified information, and such approval should be obtained well before proposals are due. The request shall specifically identify the factors and subfactors which the classified information will influence and the clearance levels so that the Government can arrange for properly cleared persons to evaluate the materials. If it is necessary to include classified information, the classified portions of the affected proposal volumes shall be submitted under a separate cover (hardcopy only) in accordance with DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM) and PCO instructions. Classified pages shall count against the total page limitation (if any) for the affected volume.

(f) World Wide Web Access. The RFP documents and any amendments thereto and general program information is available through the NPOESS Electronic Library at the following World Wide Web address: <http://npoeesslib.ipn.noaa.gov/EMD.htm>

(g) Reference Library. A reference library is available to the offeror at the NPOESS Integrated Program Office, Suite 1450, 8455 Colesville Rd., Silver Spring, MD, 20910. The library point of contact is Ms. Jane Jacob, (301) 415-0400, ext 120 and is available Monday through Friday,

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

0800 to 1600 EST, except federal holidays. A list of library contents and many of the listed documents also are available through the NPOESS Electronic Library at the following Internet address: <http://npoesslib.ipo.noaa.gov>

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-523—USE OF CONTRACTOR SUPPORT SERVICES

(a) Prospective offerors are hereby notified that the Government intends to use the following contractors to support the process of evaluating proposals received in response to the solicitation—

SRI International	Systems Engineering & Technical Advice (SETA)
BD Systems	SETA
Teledyne Brown Engineering	SETA
Mitretek Systems	SETA
User Technology Associates	SETA
Veridian Systems	SETA
Tecolote Research, Inc.	Specialized Cost Analysis Support (SCAS)
The Aerospace Corporation	Federally Funded Research/ Development Center (FFRDC)
MIT/Lincoln Laboratory	Federally Funded Research/ Development Center
The MITRE Corporation	Federally Funded Research/ Development Center
Information Analysis Inc.	SETA
IDS	SETA

(b) Contractor personnel and firms used to support the evaluation process sign non-disclosure statements with the Government. Submission of a proposal will be deemed to be the offeror's consent for the Government to use the aforementioned contractor personnel to support the proposal evaluation process.

L&M-525—PROPOSAL FORMAT FOR PAPER SUBMISSIONS

(a) **Proposal Organization and Page Limits.** The offeror shall submit its proposal in hard copy and electronic format delivered on CD-ROM. Cover pages, table of contents, listing of figures, indices, and cross-reference matrices may be used and will not be included in the page count. Annexes, appendices, and attachments to the proposal will be included in the page count unless the RFP specifically excludes them elsewhere. Any pages in excess of the limit will be deleted from the end of the proposal and will not be read or evaluated. A transmittal letter may be used to forward the proposals to the Contracting Officer and will not count against the page count. The letter will not be read by the evaluators or the Source Selection Authority (SSA). Unless otherwise specified, the offeror may use presentation forms such as narrative, graphics, photographs, pictures, tables, graphs, and block diagrams to provide a concise description of the information to be conveyed. Footnotes to the text are allowed and may be used in the tables and figures.

(b) **Quantities/Numbering of Copies.** The offeror shall provide an original and additional paper copies (each identified by Copy Number) of the volumes of its proposal according to L&M-560. Submissions need not be in color. Copy Number 1 of the paper copies shall contain all required original signatures (the cover page of the proposed contract, the proposed model contract, Representations and Certifications (Section K), and GFP Written Authorization). Any extra paper copies of proposals submitted will be destroyed.

(c) **Transmittal Letter.** Include a hard copy transmittal letter with the proposal. The letter shall include a statement that the proposal will remain valid for no less than 120 calendar days from the date the proposal is due. This letter is not to exceed two pages; it will be used administratively and will not be evaluated. The transmittal letter shall also affirm the electronic media by which the offer is transmitted to the Government does not contain a "virus", a self-replicating program that has the ability to destroy data or deny services, and that the media has been checked and cleaned in its entirety with anti-virus software. The offeror shall reference the anti-virus program name and version number.

(d) **Submission of Hard Copy Proposals.** This section provides general guidance for preparing hard copy proposals as well as specific instructions on the format and content of the proposal. Non-conformance with these instructions may result in an unfavorable proposal evaluation.

(e) **Binding and Labeling.** Each volume of the paper copy proposal should be separately bound in a three-ring loose leaf binder that shall permit the volume to lie flat when open. Volume II, Mission Capability Factor, shall have each subfactor presented within a separate binder. Staples shall not be used. A cover sheet should be bound in each book, clearly marked as to volume number, title, copy number, RFP identification and the offeror's name. The same identifying data shall be placed on the spine of each binder. Tab indexing shall be used to identify sections. All unclassified document binders shall have a color other than red. Be sure to identify appropriate markings such as the legend at FAR provision 52.215-1(e), Restriction on Disclosure and Use of Data.

(f) **Page Format Restrictions and Limitations.** Page size for all proposal volumes shall be 8.5 x 11 inches, not including foldouts. Except for the reproduced sections of the solicitation document, text font shall be Times New Roman or equivalent, 12 point vertical character height, black (except hypertext links), and single spaced. Kern modification or other techniques to reduce character size or spacing are prohibited. All text within illustrations and tables shall be

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Arial, legible, and at least 8 point in height. Figure titles shall be at least 10 points in height. These restrictions do not apply to forms provided by the Government in this RFP to be included in the NPOESS contract (Standard Form 33, DD Form 254, DD Form 1423-1 and DD Form 1664). Viewgraphs provided in the Executive Summary, Oral Presentation, will be landscape orientation, with ½ inch margins (useable 10 x 7.5 inches) minimum font of 14 point. Text font shall be Times New Roman or equivalent, 12 point vertical height, black and single-spaced. No pen and ink changes are allowed. The page count limitation is based on the 8.5 x 11 inch paper copy with .75 inch margins on all sides. All information except for documentation number, classification markings, and page numbers must be contained within the margins. Pages shall be numbered sequentially and consecutively (i.e., 1-1, 1-2, IV-1, IV-2).

(g) **Foldouts.** Legible tables, charts, graphs and figures shall be used wherever practical to depict organizations, systems and layout, implementation schedules, plans, etc. These displays shall be uncomplicated, legible and shall not exceed 11 x 17 inches in size. Foldout pages shall fold entirely within the volume and count as two pages toward the page limitations. Foldout pages may only be used for large tables, charts, graphs, diagrams and schematics, not for pages of text. All information (except for document numbers, classification markings, and page numbers) must be contained within an image area of 9 ½ x 15 ½ inches.

(h) **Cross Referencing.** The offeror shall not submit paper copies of reference documents previously submitted to the Government. The offeror shall provide a list of all cross-referenced material. The offeror is also advised that the Government will assume that any information required by this solicitation that is not submitted in its designated proposal volume has been omitted from the proposal deliberately.

(i) **Cross Reference Matrix.** The offeror shall complete a Cross Reference Matrix in accordance with L&M-533, and shall include the Cross Reference Matrix as a separate file.

L&M-527—ELECTRONIC SUBMISSION OF PROPOSAL

(a) **General.** Proposals will be read and evaluated electronically. To enable the Government to successfully view the proposals electronically, the offeror shall submit electronic files compatible with Adobe Portable Document Format (PDF) Reader 5.0, Microsoft Word 97 SR-2 (DOC), Microsoft Excel 5.0 or later (XL*), or Microsoft PowerPoint 97 SR-2 (PPT). Adobe Acrobat Reader will be used to view PDF files. The offeror shall generate “thumbnails” within each PDF file. The offeror is encouraged to generate “bookmarks” with each PDF file as well. The offeror shall provide hypertext links in a table of contents linked to each file provided in the proposal. Use of hypertext links within the proposal is permitted. There shall be no links from any other volume into the cost volume. The Integrated Master Schedule and other network schedules shall be developed using software compatible with Microsoft Project 98. The proposal shall be formatted using the HP LaserJet 4000 printer driver to ensure pages in the hard copy match the electronic copy. The offeror shall not embed sound or video (e.g., MPEG) files into the proposal files, except in the oral presentations. Use of sound or video files within the oral presentations is acceptable. In addition the offeror’s proposal shall conform to the following:

- a) Limit colors to 256 colors at 1024x768 resolution; avoid color gradients.
- b) Keep embedded graphics as simple as possible; large graphics files are discouraged.
- c) Minimize the use of scanned images.
- d) Use of zipped or self-extracting archive files (e.g., .zip or .exe files) is allowed.

(b) **Operating System.** The proposals will be accessed in a client-server environment using Microsoft Windows NT Advanced Server.

(c) **Proposal Test Period.** To ensure offeror proposals are compatible with the Government’s hardware configuration, the offeror may personally deliver a test CD-ROM containing sample files to the IPO SSF address in the source selection facility, prior to the due date for past performance information at a time and date agreed upon by the contracting officer. The Government will test the CD-ROM in the offeror’s presence to determine whether the files are readable and the hypertext links properly connect the linked documents. This test is offered for the offeror’s benefit. The offeror remains solely responsible for ensuring its proposal can be accessed as required in the source selection evaluation environment.

(d) **Format and Structure.** Each CD-ROM shall include proposal files as indicated below. Each directory shall contain a cover page and a table of contents for that directory. Additionally, the offeror shall provide a glossary of all acronyms used, with an explanation of each and a list of technical reference material, if applicable, in File Directory 1 (DIR_1).

(1) **Root Directory.** Provide three files in the root directory of the CD-ROM. The first is a PDF file (TBLCONT.PDF) that serves as a table of contents for the entire proposal. The offeror shall hypertext link each table of contents entry to the appropriate file on the CD-ROM. The second file (PROPINFO.PDF) shall contain information to assist the Government evaluators in navigating through the proposal files. The third file is a “tab-delimited ASCII file” (KTRINFO.TXT) containing the information as shown in the table below entitled “Root Directory Contents” in exact order with a tab between each entry.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

FILE NAMES	ROOT DIRECTORY CONTENTS	SECTION L&M REF
TBLCONT.PDF	Table of Contents for Entire Proposal	517
PROPINFO.PDF	Proposal Information	517
KTRINFO.TXT	offeror Information Containing:	517
	Name of offeror	XYZ Inc
	Name of Official Point of contact	Ms. Jane Smith
	Title of POC	President
	POC Phone Number	310-555-1234
	E-Mail Address	contractor.com
	Address Line 1	123 West St
	Address Line 2	Suite 500
	Address Line 3	Mail Stop 422
	Address Line 4	Blank
	City	Any town
	State	Any state
	Zip Code	11111-1111
	Title of Proposal	NPOESS EMD & Production
	Classification of Proposal	Unclassified

(2) **PROPOSAL ORGANIZATION.** To aid in the evaluation of volumes, all proposals shall follow the same general format. Proposal volumes and page limits are identified in the tables below.

(3) **FILE DIRECTORY 1 - PROPOSAL INFORMATION.** This directory DIR_1 shall include the following files as named. Specific instructions for these files are in the corresponding Sec. L&M reference.

FILE NAMES	DIRECTORY 1 CONTENTS	SECTION L&M REF
DIR1CVR.PDF	Cover page for proposal	517 (a)
TBLCONT1.PDF	Table of Contents for Directory 1	517 (d)
REFMAT.PDF	List of Technical Reference Material (if applicable)	517 (d)
ACRONYM.PDF	List of acronyms for entire proposal	517 (d)
Volume I–Executive Summary		
EXECSUM.PPT	Executive Summary	561
Volume II–Mission Capability		
MC1.PDF	Section 1–System Performance	562-1
MC2.PDF	Section 2–Segment Design	562-2
MC3.PDF	Section 3–SEIT and Planning	562-3
MC4.PDF	Section 4–Management and Organization	562-4
Appendices Volume II - Mission Capability		
FILE NAMES	CONTENT	SEC L&M REF
IMS.MPP	Appendix A–IMS	535& 562-3
IMP.PDF	Appendix B–IMP	535 & 562-3
XREF.PDF	Appendix C–Cross-Reference Matrix	533
Volume III–Past Performance		
PASTPERF.PDF	Past Performance	563

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Volume IV - Cost/Price Proposal		
COST.PDF	Section 1–Introduction	564
COSTS.XLS	Section 2–Cost Information	564
OTHER.PDF	Section 3–Other Information	564
PDRLCCE.XLS	Section 4-PDR LCCE	564
Volume V–Program Risk Mitigation Oral Presentations		
OPRESNET.PPT	Oral Presentation Charts	565

(4) FILE DIRECTORY 2 - MODEL CONTRACT, ATTACHMENTS & SUPPORTING DOCUMENTATION. This directory DIR_2 shall include the listed files. Specific instructions for these files can be found in the referenced RFP paragraph. No signatures are required in the electronic files.

FILE NAMES	DIRECTORY 2 (DIR_2) CONTENTS	SECTION L&M REF
DIR2CVR.PDF	Cover page for model contract	
TBLCONT2.PDF	Table of Contents for Directory 2	
Volume VI - Model Contract		
SF33.DOC	Solicitation Offer and Award (Section A)	566
MODEL.DOC	Model Contract (Sections B - J)	566
EXHIBITA.DOC	Exhibit A - Contract Data Requirements List (CDRL)	566
ATCH1.DOC	Atch 1 - Integrated Master Plan (IMP)*	566
ATCH2.DOC	Atch 2–NPOESS System Specification	566
ATCH3.DOC	Atch 3 -Contract Work Breakdown Structure (CWBS)	566
ATCH4.DOC	Atch 4 - Award Fee Plan	566
ATCH5.DOC	Atch 5 - Government Furnished Property (GFP)	566
ATCH6.DOC	Atch 6 - Technical Data Restrictions	566
ATCH7.DOC	Atch 7 - SB/SDB Subcontracting Plan	566
ATCH8.DOC	Atch 8 - Contract Sec Classification Spec (DD Form 254)	566
Additional Documentation as Appendices to Volume VI		
APPENA.PDF	Appendix A–Representations And Certifications	566
APPENB.PDF	Appendix B–Exceptions	566
APPENC.PDF	Appendix C–Authorized Representative	566
APPEND.PDF	Appendix D - Location Information	566
APPENE.PDF	Appendix E - GFP Written Authorization	566
APPENF.PDF	Appendix F–Instrument Subcontract Arrangements	566

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-530—PREVIOUSLY-SUBMITTED DATA AND PDR DATA

(a) The offeror's electronic submission may include one or more CD-ROMs of previously-submitted data and PDR data. Previously-submitted data includes any document, report, study, drawing, memoranda or other item produced during the NPOESS Program Definition and Risk Reduction program that was delivered to the IPO on or before the common cut-off date for submission of proposals. PDR data includes any deliverable for the offeror's Preliminary Design Review (PDR) which, in the offeror's opinion, affects the evaluation criteria of this source selection. The offeror is required to link from its Mission Capability, Past Performance, or Cost Volumes to the relevant sections of documents contained in the previously-submitted data and PDR data CD-ROM(s)—links shall not be to general areas or cover pages of documents but rather to the specific information substantiating specific assertions made in the Mission Capability, Past Performance, or Cost Volumes. The sole purpose of this submission is to provide substantiation and reinforcement of assertions made in the offeror's Mission Capability, Past Performance, or Cost Volumes, and only those documents which serve this purpose may be included.

(b). There are no page limits or formatting requirements for this submission.

L&M-533—CROSS-REFERENCE MATRIX

The Management Cross-Reference Matrix and the TRD/Spec Cross-Reference Matrix are intended to facilitate proposal preparation and evaluation. In the event any conflict is found to exist between either matrix and any other element of the solicitation, the other element of the solicitation shall have precedence. The offeror is responsible for completing each matrix and including them with the technical proposal volume. The Government will use the completed matrix to verify that the submitted specifications address all of the requirements of the TRD (Table 533-2) and to evaluate the adequacy of the proposed Contract WBS and IMP (Table 533-1).

Table 533-1—Management Cross–Reference Matrix (sample)					
SOO	RFP L/M	Technical Proposal	WBS	CWBS	IMP

Table 533-2—TRD/Spec Cross –Reference Matrix (sample)			
TRD	System Spec	Segment Spec	Element Spec*

*Additional columns for lower-level specs of other documents are permitted

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-535—INTEGRATED MANAGEMENT FRAMEWORK (IMF)

(a) Introduction. The Government is implementing the Integrated Management Framework (IMF) approach for managing the NPOESS EMD program. The IMF approach provides the offeror a product orientation to the management of his effort while providing the Government greater visibility into the proposed efforts. To achieve the product orientation of the IMF philosophy, the offeror structures an integrated management system to logically flow down requirements through broad-level tasking within an event driven Integrated Master Plan (IMP). Two of the major features of the IMF approach are reviewed below.

(1) The first major feature is an approach for planning the contract effort and preparing the contract documentation, see Table 535-1. The Government's RFP provides the offeror with the elements shown in the left column of the table; i.e., Model Contract (Sections A - J plus attachments), Section L&M, Technical Requirements Document (TRD), Statement of Objectives (SOO), Work Breakdown Structure (WBS), and Contract Data Requirements List (CDRL), in accordance with the detailed proposal preparation instructions found in this RFP. The definitive contract contains the elements shown in the right hand column of the figure. These offeror-generated documents will be used in the evaluation of the EMD Technical and Management Approaches.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

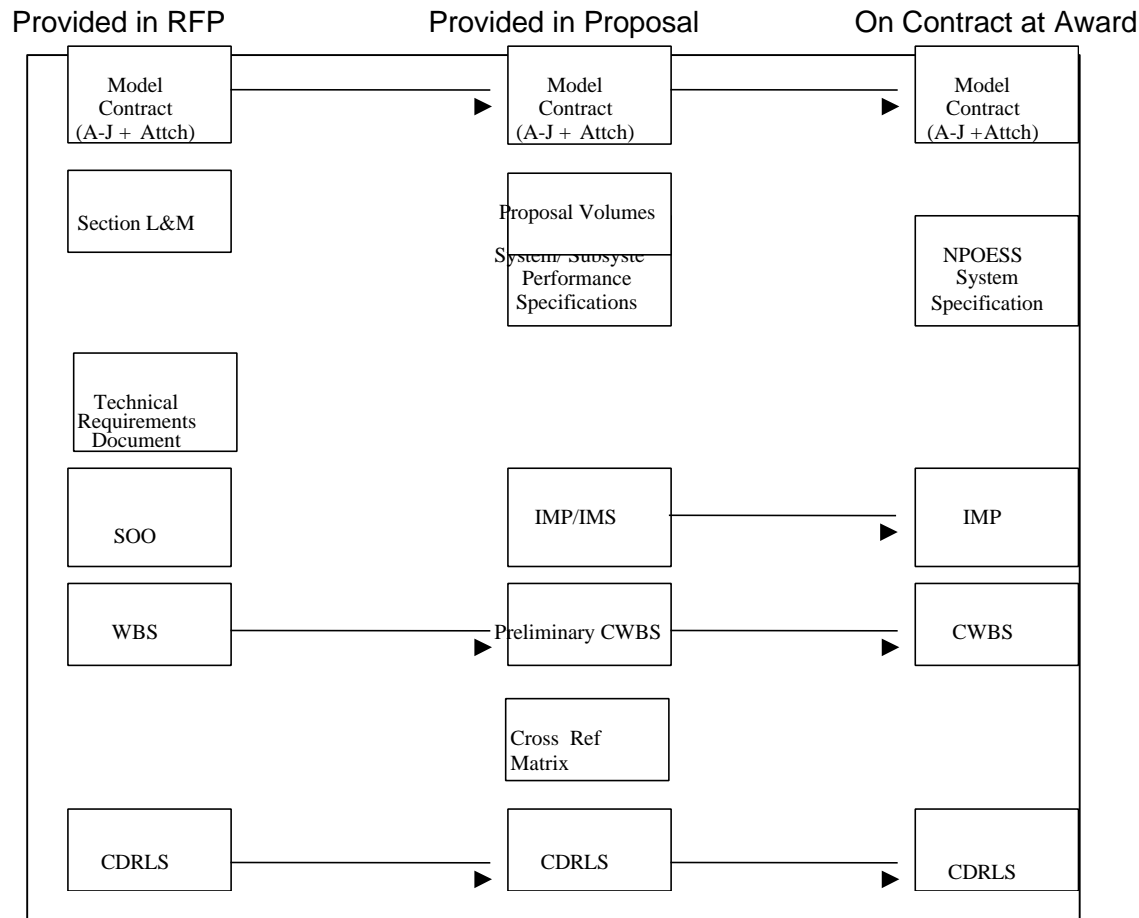


Table 535-1 Acquisition Approach

(2) The second major feature of the IMF approach is the use of Integrated Product Teams (IPTs) in implementing the event-driven plan described above. This approach involves a teaming of Government and offeror functional disciplines to integrate and concurrently apply all necessary processes to produce effective and efficient products that satisfy mission requirements. Under the IMF approach, the program is organized into IPTs that are both empowered and responsible for the performance of their specific product. Each IPT is given the authority to manage their product and allocate resources within the team. The IPT members represent all functions that have a role in the performance of the product, e.g., engineering, manufacturing, contracting, inspection, and logistics. IPT members work together to ensure that an efficient and effective product, which satisfies the requirements, is delivered. The term "product" under IMF also includes activities and processes as well as a specific product. The offeror organizes IPTs for the proposed EMD "products."

(b) Contractual Relationship Between The IMP And IMS.

(1) The IMP describes in detail how the work will be accomplished. The task section within the IMP (will take the place of a separate SOW) defines in detail what work is to be accomplished under the EMD and Production phases. The approved IMP is contractually binding and becomes Attachment 1 to the awarded contract. After contract award, the IMP cannot be changed except through normal contract change actions.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

(2) In contrast, the IMS is a contract deliverable item under the CDRL and is to be updated “as required” (to maintain schedule flexibility) in accordance with the requirements of the offeror’s CDRL.

(c) Integrated Master Plan (IMP).

(1) A Work Breakdown Structure (WBS) and associated dictionary have been provided in Annex A. The proposed CWBS shall be delivered as part of Volume V of the proposal. All tasks in the IMP shall be correlated to the CWBS proposed by the offeror. There should be a correlation between the CWBS, IMP and the IPTs proposed for the EMD Development. The IMP and IMS shall use the CWBS numbering system to facilitate contract requirements traceability.

(2) The IMP shall clearly and concisely state the offeror’s plans for how system engineering efforts will be conducted, how program tasks will be controlled and who, organizationally, will accomplish each task. It should identify key system engineering tasks, their interrelationships with program milestones, and the specific criteria that will be used to track and measure successful task completion. The IMP should provide top-to-bottom traceability from the SOO, WBS and TRD through the system specification to Level 3 of the CWBS, except for sensors which shall be traced to Level 4. The IMP shall describe: a) key tasks, events and accomplishments to be met by the offeror under the contract; b) the associated criteria for the events and accomplishments; and c) the processes to be used in performing and reporting the tasks required by the contract. The IMP also groups the contract requirements so that designated IPTs may work these requirements. The offeror shall prepare the IMP in a format, which clearly and succinctly conveys to the Government the information requested above. Offeror format is encouraged for this document.

(A) Task: A Task describes a work effort (to be performed by the offeror) which singularly, or in combination with other Tasks, satisfies the RFP’s EMD SOO and TRD and the resulting contract’s system specification and CWBS. (The task section contains summary level tasks that read like a Statement of Work and replaces the effort descriptions usually contained in a Statement of Work). The IMP Tasks section shall contain references to the data items. Block 5 on the DD Form 1423-1, Contract Reference, shall contain the appropriate IMP reference.

(B) Event: An Event is defined to be the initiation/conclusion of an interval of major program activity. It shall represent a decision point related to the system maturity with continued system development. Events identified may be in the format of entry and exit events (e.g. Initiate CDR and Complete CDR) or use entry and exit criteria for each event. Other examples are: a) Test Readiness Review, b) Functional Configuration Audit, or c) Physical Configuration Audit. The Government’s suggested events for the Engineering Manufacturing and Development phase are quarterly Program Management Reviews (PMR), Integrated Baseline Review (IBR), a Delta System Preliminary Design Review (PDR), a tailored System Critical Design Review (CDR), NPP Sensor Deliveries, NPP IDPS Delivery, NPP C3S Delivery, Test Readiness Reviews (TRR), a Functional Configuration Audit (FCA), a Physical Configuration Audit (PCA), a Test Plans/Procedures Review (TPP), NPOESS Space Segment Deliveries, NPOESS IDPS Delivery, NPOESS C3S Delivery, NPOESS Field Terminal Segment Delivery, a Pre-shipment Review, and satellite unit deliveries (launch and on-orbit checkout). Quarterly Program Management Reviews, consisting of technical and management aspects, are held to keep the Government informed and facilitate timely problem resolution. The Delta PDR shall be conducted to bring all segments to PDR level, if not all segments had achieved that level of design maturity at the PDRR PDR. The tailored CDR shall be conducted when the detail design

is essentially complete to determine that the detail design satisfies the performance and engineering specialty requirements of the development specification. The NPP Sensor Deliveries are required to support the NPP. A TRR is conducted prior to each major test to determine that test procedures are complete and to assure that the offeror is prepared for formal testing. The FCA validates that the development of the system has been completed satisfactorily and that the satellite has achieved the performance and functional characteristics specified in the functional or allocated configuration identification. The PCA is a hardware review and technical examination to verify that the "As Built" system conforms to the technical documentation which defines the satellite. The offeror is encouraged to identify additional Key Events that best reflect the proposed program approach. For each IMP event, there shall be one or more entry or exit significant accomplishments (either entry or exit).

(C) Significant Accomplishment: A Significant Accomplishment is a specified result substantiating an event that indicates the level of progress or maturity directly related to each product/process. Accomplishment shall be measurable. Significant accomplishments are interim or final critical efforts that must be completed prior to entering or exiting an event. Entry accomplishments reflect what must be complete to initiate an event. Exit accomplishments reflect what must be done in order for the event to be successfully closed and that the EMD project is ready for the next event. For each significant accomplishment, there shall be one or more accomplishment criteria. Some examples of significant accomplishments which support a system Critical Design Review Event might be: a) Detailed design completed, b) Design compatibility check completed, c) risk assessment completed, d) producibility analysis completed, e) preliminary hardware product specification review completed. Significant accomplishments include—

- (i) A desired result at a specified event which indicates a level of design maturity, (or progress, directly related to each product and process),
- (ii) A discrete step in a process,
- (iii) A description of interrelationship between different functional disciplines applied to the program (e.g., Maintainability, Manufacturing, and Reliability - the significant accomplishments of each related to Events by IMP Section).

(D) Accomplishment Criteria: A definitive measure or useful indicator substantiating the maturity level of an associated Significant Accomplishment. It is the completion of specified work that ensures closure of a specified Significant Accomplishment. Criteria shall be measurable (e.g., "Test plan complete and accepted by the spacecraft IPT" is a measurable criteria, whereas "Test plan 85% complete" is difficult to assess, if at all). Examples of accomplishment criteria are—

- (i) Architectural trade studies satisfy stated objectives
- (ii) Allocated system requirements specified in segment performance requirement documents
- (iii) Draft Interface Control Documents completed and time critical interfaces identified
- (iv) Design risk assessment updated and risk reduction options

(E) Narratives: A collection of concise summaries providing visibility into the offeror's key functional and management processes and procedures, how they relate to the integrated product development process, and an overview of the efforts required to implement them. The narratives shall address only the key elements of implementing or developing a process/procedure (i.e. what the process/procedure will be and how it will be implemented and tracked). The narratives facilitate offeror and Government understanding of and commitment to critical processes/procedures prior to contract award. The narratives shall complement the

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

respective significant accomplishment and accomplishment criteria sections by indicating where in the particular process the criteria apply. Each narrative subject area shall include a brief objective statement of desired results traceable to the SOO, the processes applicable to that objective, a listing of the proposed existing Government, industry, national and international specifications and standards to be used to achieve the objective. The offeror shall clearly state which of these documents are compliance and which are reference and which of these will be tailored. Compliance documents are contractually binding, while reference documents are for guidance only and are not contractually binding. However, company practices or procedures may only be listed as reference documents. The narratives shall be consistent with applicable technical and management approaches described in the Technical and Management Volume of the proposal. The narrative section is not the forum for providing supporting information or rationale (i.e., why a particular approach has been taken). The minimum list of essential processes for which the Government requires narratives is listed in Table 535-2. However, the offeror may discuss any additional areas that it feels are either critical or of a high risk to his approach.

(d) Integrated Master Schedule (IMS).

(1) In support of the IMP, the IMS provides a schedule for all the events, significant accomplishments, and accomplishment criteria described in the IMP. The IMS also outlines the detailed tasks and the corresponding calendar schedules (dates) necessary to show how each significant accomplishment will be achieved. All tasks outlined in the IMS should be related to specific IMP accomplishments.

(2) The IMP and the IMS employ a single numbering system based on the Contract Work Breakdown Structure (CWBS), which is also the cornerstone of the Earned Value Management Systems of both the Government and its contractors. The single numbering system provides traceability between the Significant Accomplishments and Accomplishment Criteria (IMP) and the Detailed Tasks (IMS), and through the NPOESS System Specification to the IMP Tasks.

(3) The offeror shall provide a top level IMS as part of its proposal. The more detailed levels of the IMS, as well as updates, shall be maintained and made available to the Government during contract performance upon request. The IMS is intended as a tool for day to day tracking of the program/project that rolls up to increasingly higher summary levels. The IMS is an integrated and networked multi-layered schedule of program/project tasks. The IMS identifies all IMP tasks, events, accomplishment, and criteria and the expected dates of each. For all significant activities, events, and milestones provide a task number, task name, duration, predecessor tasks, start date and finish date. Illustrate the proper interdependencies of all activities, events and milestones. Provide the offeror's assumptions used in estimating the task duration shown in the schedule (e.g., historical data, experience on similar efforts, vendor schedules, number of work days per week, number of shifts, company holidays, etc.). Define the program's critical path for the period of performance of this contract, and provide supporting narrative that explains the critical path and any unusual program aspects. Any anticipated Government support must be identified.

Table 535-2—Minimum Required IMP Narratives

Systems Engineering. Define the processes to be used for conducting requirements analyses, performing functional analyses, allocating performance requirements, synthesizing design solutions, and performing systems analysis and trade-off studies. Describe the methodologies that will be used in measuring progress, evaluating alternatives, selecting preferred alternatives, and documenting data and decisions. Include the following as part of the systems engineering processes:

Software Systems Engineering. Describe the role of software in NPOESS design, development, test, operations, and maintenance and your commitment to following the Software Development Plan.

Environmental Compliance. Define the processes to be used for integrating environmental protection considerations into the overall NPOESS system architecture and engineering process

System Safety and Health. Define the processes to be used to develop a system-wide safety and health program that will ensure that safety and health engineering requirements are identified and factored into the design of the NPOESS.

Hazardous Materials Management. Define the processes to be used for identifying, justifying, minimizing, eliminating, and controlling hazardous materials that will be used during manufacture, processing, maintenance, repair, and disposal of systems components and associated support items.

Design Considerations. Define the processes to be used for developing design criteria and special test requirements that will ensure the integrity of the structure, moving mechanical assemblies, and propulsion systems.

Electromagnetic Compatibility. Define the processes to be used in conducting an overall EMD electromagnetic effects program.

Contamination. Define the processes that will be used in conducting a contamination control program to deal with environmental control of clean rooms, work stations, cleanliness levels and general contamination control during all phases of the hardware's lifetime from initial build, through in-orbit end of life.

Quality Assurance. Define the processes to be used in conducting the quality assurance program for system hardware and software during design, development, manufacturing, (EMD and Production phases) and test.

Data Management. Define the processes to be used by which all program data (both technical and cost data) will be developed, maintained, and made available to the Government electronically.

Integrated Logistics Support (ILS). Describe the logistics support analysis approach and how that process will be used in developing supportable systems.

Program Protection. Define the processes, via a Security Implementation Plan, to be used for safeguarding critical aspects of the program identified in the NPOESS Program Protection Plan (PPP).

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-540—PROPOSAL ASSUMPTIONS

The assumptions provided in Table 540-1 are to allow the offerors to prepare their proposals on a common basis. The offeror's IMP, IMS, and Cost proposal should include these assumptions. However, the Government does not warrant that the assumptions will translate to actuality during the life of the EMD/Production contract.

Table 540-1—Proposal Assumptions	
MAY 2004	OMPS instrument is delivered for flight-of-opportunity
JUN 2004	Test-validated thermal math models and finite element models of the VIIRS and CrIS instruments are delivered to NPP satellite contractor
SEP 2004	Government-provided facility in the Washington area for MMC is available for installation of C3S equipment; Government-provided facility in the Washington area for IDPS is available for installation of the IDPS equipment
OCT 2004	GSE and software for the NPP VIIRS and CrIS sensors are delivered to NPP satellite contractor; and
NOV 2004	Support for VIIRS and CrIS instrument integration and test with the NPP spacecraft, including continuous VIIRS and CrIS operation and performance evaluation, begins and extends through MAR 2005; CrIS and VIIRS flight-qualified instruments are delivered to NPP satellite contractor
DEC 2004	NPP C3S System Installation and Site Acceptance is complete; Support to NPP Mission System Integration and Test begins; NPP IDPS Hardware and Software infrastructure installation and check-out is complete at a Washington area facility; Complete acceptance test with representative system resource utilization by demonstrating NPP RDR & EDR processing functionality, not including EDR attribute requirement satisfaction; and Support to NPP mission system integration and test begins
MAR 2005	NPP IDPS infrastructure functionality is demonstrated at second central (AFWA)
MAY 2005	C3S NPP Mission System Integration and Test are complete
JUN 2005	Complete NPP Mission System Integration and Test for RDR delivery to one Central (Washington area) is achieved
JUL 2005	Complete NPP Mission System Integration and Test for RDR delivery to the second Central (AFWA) is achieved;
SEP 2005	Complete NPP Mission System Integration and Test for EDR (incl. attribute requirement satisfaction) is delivered at one Central (Washington area)
OCT 2005	Complete NPP Mission System Integration and Test for EDR (incl. attribute requirement satisfaction) is delivered at second Central (AFWA); and The contractor provides the preliminary specification for the hardware and storage requirements needed to run the IDPS LRD and HRD field terminal software
DEC 2005	NPP launches
MAR 2008	A satellite is available for call-up in a 1330-orbit configuration as back-up to POES N'; and IDPS and C3S functionality is available to support a 1330-orbit at all Centrals and two MMCs
FEB 2009	IDPS and C3S functionality is available to support all orbits at all Centrals and two MMCs; and A satellite is available for call-up in any orbit configuration to back-up DMSP F-20 (unless previously called-up to back-up N' in a 1330 orbit)

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

APR 2009	A satellite launches in a 2130 orbit; and A satellite is available for call-up to back-up
JUN 2011	A satellite launches in a 1330 orbit; and A satellite is available for call-up to back-up (based on prior exercise of a replenishment satellite option)
SEP 2011	IOC is declared
APR 2013	A satellite launches in a 1730 orbit; and A satellite is available for call-up to back-up (based on prior exercise of a replenishment satellite option)
JUN 2018	The NPOESS Program's 10-year life ends

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-544—SENSOR BASELINES

(a) The Government has established baselines for the sensors shown in Table 544-1. In its technical volume (see L&M-562), the offeror is not required to substantiate its technical baseline for these sensors or their algorithms/science code, but wherever the offeror's solution differs from the baseline, this difference should be explained.

TABLE 544-1—DEVELOPMENT SENSOR BASELINES					
Sensor	Vendor	WBS Element	Sensor System Spec #	Estimated IPO GIID/Data Bus ECP Negotiation Date	Should Sensor be GIID/Data Bus Compliant in Proposal?
CrIS	ITT	1.2.3.3	8179801 - Version 4	05-Dec-01	Yes, GIID and 1394
VIIRS	Raytheon SB	1.2.3.1	PRF SS154640-001	15-Nov-01	Yes, GIID and 1394
GPSOS	Saab-Ericcson	1.2.3.6	P-GOS-SPC-0002-SE Issue 7	06-Dec-01	Yes, GIID and 1553
ATMS	Northrup-Gruman	1.2.3.4	GSFC POS 429-00-06-03 CH-04 29 Oct 2001	N/A	Yes, GIID and 1553 (Exceptions in Appendix)
OMPS	Ball	1.2.3.5	542798 Ver 3.0	15-Dec-01	Yes, GIID and 1553*
CMIS	Boeing	1.2.3.2	SS80563-H00-001	15-Jan-02	Yes, GIID and 1394*

*The Government acknowledges that an offeror's initial proposal may not include GIID and Data Bus compliant OMPS and CMIS sensors. In such a case, the offeror must still propose a GIID/Data Bus compliant spacecraft bus and should not propose alternatives to the GIID/Data Bus for the OMPS and CMIS interfaces to the spacecraft bus. The offeror may propose unique CMIS and OMPS interfaces that provide benefit without replacing GIID/Data Bus functionality. The offeror must be prepared to provide a GIID/Data Bus compliant space segment during the negotiations period of the source selection.

(b) SARSAT (WBS 1.2.3.8) and ADCS (WBS 1.2.3.7) are GFE. Offerors have to show how to accommodate SARSAT and ADCS on the spacecraft. They do not have to substantiate the design of these sensors.

(c) For the Other Payloads (WBS 1.2.3.n), the Government expects a sensor design description and algorithm/science code design description in the Initial Proposal Submittal. APS is the only exception; the offeror is not required to substantiate the design of the APS sensor or its algorithms/science code. It is only required to accommodate APS on the spacecraft and describe that accommodation design.

L&M-560—PROPOSAL SUBMISSION REQUIREMENTS SUMMARY

The due dates and page limits of the offeror's proposal are shown in Table 560-1. The offeror must consult the reference citation for specifics on proposal volume content and arrangement, including section page limits.

Table 560-1 -- PROPOSAL SUBMISSION REQUIREMENTS SUMMARY				
<u>Due Date</u>	<u>Title</u>	<u># Of Copies</u>	<u>Page Limit</u>	<u>Reference</u>
(*)	Test of electronic media on CD-ROMs	n/a	n/a	L&M-527
01 MAR 2002	Volume 3—Past Performance (paper)	5	50	L&M-563
15 MAR 2002	Common cut-off date for submission of proposals—			
	Vol. 1—Executive Summary (paper)	5	18	L&M-561
	Vol. 2—Mission Capability (paper)		200**	L&M-562
	Vol. 2a—System Performance	10		
	Vol. 2b—Segment Design	10		
	Vol. 2c—SEIT and Planning	10		
	Vol. 2d - Management and Organization	10		
	Vol. 4—Cost (paper)	2	n/a	L&M-564
	Vol. 5—Program Risk Mitigation Oral Presentation (paper)	5	n/a	L&M-565
	Vol. 6—Model Contract and Business Arrangements (paper)	2	n/a	L&M-566
	Proposal CD-ROM(s)—Volumes 1, 2, 3, 4, 5, and 6	2	n/a	L&M-527
	Previously-Submitted Data and PDR Data CD-ROM(s)	2	n/a	L&M-530
* at the offeror's convenience but at least two weeks before proposal submission.				
** four sub-volumes are to total 200 pages combined, but this limit does not include tables of contents, cross reference matrices, or acronym lists—this also does not include the IMS (no page limit) or the IMP (75 pages as described in L&M-562).				

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-561—PROPOSAL VOLUME 1 INSTRUCTIONS—EXECUTIVE SUMMARY

(a) **Section 1—Executive Summary.** A brief and integrated overview of the offeror's total proposal describing how the objectives of the acquisition will be met, with highlights of the proposed system concept. This section should be in landscape format and is limited to 10 pages.

(b) **Section 2—Outcomes.** A brief description of the outcomes or objectives the Government should expect from each CLIN. The CLIN outcomes and objectives description should include short narratives on the outcomes and objectives of a few key milestones to be achieved in that CLIN. This section should be in landscape format and is limited to 4 pages

(c) **Section 3—Subcontracts.** A summary outline of how the effort required by the solicitation will be assigned for performance within the offeror's corporate entity and among proposed subcontractors. This section should be in landscape format and is limited to 4 pages. Subcontractor information should also be included where appropriate in the other volumes of the proposal.

L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY

The offeror will submit a paper and an electronic version of this Volume, but the two must be identical in every respect except that the electronic version may include links to electronic Previously-Submitted Data and to the electronic Program Risk Mitigation Oral Presentation Volume. Liberal use of these links are encouraged; however, the offeror is cautioned that links from this Volume 2 to the Previously-Submitted Data and Program Risk Mitigation Oral Presentation files are allowed only for substantiation and reinforcement of the assertions made within this Volume 2. Accordingly, Volume 2 must include sufficient information and detail to allow Government evaluators to perform an assessment without reliance on the linked material.

This provision is divided into four sections, as follows—

Section 1—Subfactor 1—System Performance;

Section 2—Subfactor 2—Segment Design;

Section 3—Subfactor 3—Systems Engineering, Integration & Test, (SEIT) and Planning; and

Section 4—Subfactor 4—Management and Organization.

The entirety of Volume 2 is limited to 200 pages, except that the IMP and IMS required by Subfactor 4 may be submitted as annexes to Volume 2 and are not included in the 200-page limit. The IMS is not page limited. The IMP is limited to 75 pages.

L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)

Section 1—Subfactor 1—System Performance.

This section outlines the overall performance of the proposed NPOESS. The focus of the section is the offeror's concept of operations and its system-level performance compared to the TRD. This section outlines the information required to make an overall system performance assessment. To facilitate evaluation of this subfactor, and for no other purpose, it is subdivided into three parts (but the evaluation remains at the subfactor level and no ratings are assigned to the parts)—

- 1.1 System Compliance (see Table 562-1.1);
- 1.2 System Description (see Table 562-1.2); and
- 1.3 Calibration, Validation, and Verification Approach (see Table 562-1.3).

Table 562-1.1—System Compliance	
<p>1.1.1 INSTRUCTIONS. The offeror shall—</p> <p>Provide its performance baseline in table format showing all performance characteristics, including EDRs and each EDR attribute, described in its System Specification as it relates to the TRD, including a description of the benefits and impacts of those parameters that exceed or do not meet threshold requirements and the rationale for not meeting the threshold. NOTE: TRD performance requirements fulfilled by the Aerosol Polarimeter Sensor (APS) should not be included in this description nor the NPOESS System Specification.</p>	<p>1.1.2 EVALUATION CRITERIA.</p> <p>The proposal and System Specification will be evaluated against the TRD and the NPOESS Program Prioritizations described in L&M-520 to ensure the offeror's overall proposed system provides a sound and satisfactory solution to the NPOESS program requirements.</p>

Table 562-1.2—System Description	
<p>1.2.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide an overall system description/CONOPS for all the segments that are addressed in the subsequent sections.</p> <p>(b) Provide a data flow diagram that depicts the data flow from the sensor measurement to the actual production of user environmental data.</p> <p>(c) Describe the trades conducted and how they resulted in best value to the Government.</p>	<p>1.2.2 EVALUATION CRITERIA.</p> <p>(a) The System CONOPS will be evaluated for compliance with the offeror's system specification.</p> <p>(b) The data flow diagram will be evaluated to ensure that it addresses the entire system data flow and processing for NPOESS and NPP.</p> <p>(c) The proposal will be evaluated against the trade-off process referenced in L&M-520 (NPOESS System Prioritizations).</p>

Table 562-1.3—Calibration, Validation, and Verification Approach	
<p>1.3.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Describe the end-to-end system-level plan in general for validating EDR and RDR products, including the pre-launch instrument characterization and EDR product simulation verification plans, the post-launch EDR and RDR product validation plans, and its long-term EDR and sensor calibration and validation monitoring and trending plans.</p> <p>(b) Describe the analysis, tools, sensor engineering development units, IWPTB, and external data and resources used throughout the EDR, SDR, TDR, and RDR product development and verification process, including a description of the verification of the offeror’s modeling and simulation tools.</p> <p>(c) Specify the required Government support to its calibration, validation, and verification program and highlight compatibilities with the concepts in the Government’s NPP Calibration and Product Validation Plan.</p> <p>(d) Describe how it will incorporate, track, and use the truth sets described in Cal/Val approach to support its EDR product verification effort, highlighting application of Government-acquired truth data sets made available through the NPP and NPOESS EDR and RDR Product Calibration and Validation Plans.</p> <p>(e) As examples of its Cal/Val program, provide draft end-to-end Cal/Val descriptions for the CrIS-ATMS and VIIRS Sensors with sufficient detail to demonstrate knowledge of Cal/Val techniques.</p>	<p>1.3.2 EVALUATION CRITERIA.</p> <p>(a) The general Cal/Val approach will be evaluated to ensure that it is reasonable and executable.</p> <p>(b) The system tools and their utilization will be evaluated to ensure that the overall Cal/Val concept is comprehensive and will demonstrate EDR product performance.</p> <p>(c) The level and type of Government support/interaction will be evaluated for soundness of approach.</p> <p>(d) The use of Government-provided truth data within the EDR product verification approach will be evaluated for efficiency of calibration and validation efforts and synergy between the EDR product verification plan and Government verification efforts.</p> <p>(e) The Cal/Val approach will be evaluated for completeness and understanding of the CrIS-ATMS and VIIRS calibration requirements.</p>

L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)

Section 2—Subfactor 2—Segment Design.

The focus of the section is the allocation of system level requirements to each of the segments, the ability of segment designs to achieve those requirements, trades conducted and rationale for deviations from Government procured sensor baselines and design provisions for flexibility and growth. This section outlines the information required to make an integrated assessment of the ability of the offeror's design to achieve predicted performance. To facilitate evaluation of this subfactor, and for no other purpose, it is subdivided into four parts (but the evaluation remains at the subfactor level and no ratings are assigned to the parts)—

- 2.1 Space and Launch Support Segments (see Table 562-2.1);
- 2.2 Command, Control, and Communications Segment (C3S) (see Table 562-2.2);
- 2.3 Interface Data Processing Segment (IDPS) (see Table 562-2.3); and
- 2.4 Field Terminal Segment (see Table 562-2.4).

Table 562-2.1–Space and Launch Support Segments	
<p>2.1.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide the allocation of the system specification requirements to the space segment.</p> <p>(b) Describe the satellite design and how it will meet the requirements of the Space Segment Specification, including how the satellite design will facilitate data collection, generation of raw sensor data, and data flow.</p> <p>(c) Describe any “deltas” in sensor design from the ATMS, CMIS, CrIS, GPSOS, OMPS, and VIIRS instrument baselines established in L&M 544.</p> <p>(d) Discuss how design flexibility will accommodate segment changes/updates.</p> <p>(e) Describe the benefit of any sensor design changes recommended by the offeror to, and implemented by, the Government in the PDRR phase.</p> <p>(f) Describe the Space Segment software design including (i) the allocation of Space Segment requirements to software; (ii) how the design will meet those requirements; (iii) the use of COTS and Reusable Code and their integration into the Segment; (iv) how sensor software will integrate with the satellite software; and (v) how the satellite and sensor software will be maintained after launch.</p> <p>(g) Describe any non-standard launch support requirements, any deviation from the Standard Interface Specification (SIS), and how the offeror will ensure that the requirements are supported (detailed substantiation will be required if non-standard services are required to a large degree).</p>	<p>2.1.2 EVALUATION CRITERIA.</p> <p>(a) The proposal will be evaluated for accurate and complete flow down of the system requirements to the Space Segment specification.</p> <p>(b) The satellite design will be evaluated against the parameters of the space segment specification to verify that the SS design can deliver the required performance (the Government’s evaluation may include using simulation, inspection, and/or analysis).</p> <p>(c) Parameters varying from ATMS, CMIS, CrIS, GPSOS, OMPS, and VIIRS instrument baselines will be evaluated against the requirements of the Space Segment specification, including an evaluation of the technical rationale and design benefit for all attributes that vary from the established baselines.</p> <p>(d) The design will be evaluated for flexibility to accommodate (i) technology assessment, development, and insertion; (ii) component assessment and selection; (iii) performance enhancements; (iv) requirement changes; and (v) future risk reduction plans for the space segment.</p> <p>(e) The Government will evaluate the benefit of any sensor design changes recommended by the offeror to, and implemented by, the Government in the PDRR phase, for contributions to overall system best value.</p> <p>(f) The Space Segment software design will be evaluated to ensure completeness, feasibility, performance, robustness, and maintainability.</p> <p>(g) The launch support requirements will be evaluated for completeness, conformance to the SIS, and soundness of approach.</p>

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 562-2.2–Command, Control, and Communications Segment (C3S)	
<p>2.2.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide the allocation of the system specification requirements to the C3S specification.</p> <p>(b) Describe how the C3S design meets the requirements of the C3S specification, including how the C3S design will facilitate data collection and data delivery.</p> <p>(c) Describe the NPP C3S system design and the approach to transition from the NPP C3S architecture to the NPOESS architecture.</p> <p>(d) Describe the benefit of any C3S design changes recommended by the offeror to, and implemented by, the Government in the PDRR phase.</p> <p>(e) Describe the flexibility of its C3S architecture to accommodate additional remote sensing missions, in addition to NPOESS and NPP (e.g., in general terms, what changes would be required to command and recover data from a TOPEX and a EUMETSAT satellite?).</p> <p>(f) Describe the C3S software design, including (i) the allocation of C3S requirements to software; (ii) how the design will meet those requirements; and (iii) the use of COTS and its integration into the C3S.</p>	<p>2.2.2 EVALUATION CRITERIA.</p> <p>(a) The proposal will be evaluated for accurate and complete flow down of the system requirements to the C3S specification.</p> <p>(b) The C3S design will be evaluated against the parameters of the C3S specification to verify that the C3S design can deliver the required performance (the Government's evaluation may include using simulation, inspection, and/or analysis).</p> <p>(c) The NPP C3S design will be evaluated for completeness, the ability to execute the program to meet NPP need dates, and optimization of the transition to NPOESS.</p> <p>(d) The Government will evaluate the benefit of any C3S design changes recommended by the offeror to, and implemented by, the Government in the PDRR phase, for performance and efficiency.</p> <p>(e) The C3S architecture will be evaluated for flexibility to accommodate additional remote sensing missions. The design will be evaluated for flexibility to accommodate (i) technology assessment, development, and insertion; (ii) component assessment and selection; (iii) performance enhancements; (iv) requirement changes; and (v) future risk reduction plans for the C3S.</p> <p>(f) The C3S software design will be evaluated to ensure completeness, feasibility, performance, robustness, and maintainability.</p>

Table 562-2.3—Interface Data Processing Segment (IDPS)	
<p>2.3.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide the allocation of the system specification requirements to the IDPS specification.</p> <p>(b) Describe how the IDPS design meets the requirements of the IDPS specification, including how the IDPS design will facilitate generation of RDRs, SDRs, TDRs, and EDRs and deliver data to external users.</p> <p>(c) Describe any “deltas” in algorithm/science code design from ATMS, CMIS, CrIS, GPSOS, OMPS, and VIIRS instrument_data processing baselines as set in L&M-544.</p> <p>(d) Describe the NPP IDPS system design and the approach to transition from the NPP IDPS architecture to the NPOESS architecture, including a description of RDR, SDR, TDR, and EDR processing.</p> <p>(e) Describe the benefit of any algorithm design changes recommended by the offeror to, and implemented by, the Government in the PDRR phase.</p> <p>(f) Describe the flexibility of its IDPS architecture to accommodate additional remote sensing missions, in addition to NPOESS and NPP (e.g., in general terms, what changes would be required to process data from a TOPEX and a EUMETSAT satellite?).</p> <p>(g) Describe the IDPS software design, including (i) the allocation of IDPS requirements to software; (ii) how the design will meet those requirements; (iii) the use of COTS and its integration into the Segment; (iv) how sensor vendor algorithm software will be incorporated and integrated into the IDPS; and (v) how the software design will accommodate modified and new algorithms.</p>	<p>2.3.2 EVALUATION CRITERIA.</p> <p>(a) The proposal will be evaluated for accurate and complete flow down of the system requirements to the IDPS specification.</p> <p>(b) The IDPS design will be evaluated against the parameters of the IDPS specification to verify that the IDPS design can deliver the required performance (the Government’s evaluation may include using simulation, inspection, and/or analysis).</p> <p>(c) Design parameters varying from ATMS, CMIS, CrIS, GPSOS, OMPS, and VIIRS instrument baselines will be evaluated against the requirements of the IDPS specification, including an evaluation of the technical rationale and design benefit for all attributes that vary from the established baselines.</p> <p>(d) The NPP IDPS design will be evaluated for completeness, the ability to process NPP generated data, the ability to execute the program to meet NPP need dates, and optimization of the transition to NPOESS.</p> <p>(e) The Government will evaluate the benefit of any algorithm design changes recommended by the offeror to, and implemented by, the Government in the PDRR phase, for performance and efficiency.</p> <p>(f) The IDPS architecture will be evaluated for flexibility to accommodate additional remote sensing missions, including flexibility to accommodate (i) technology assessment, development, and insertion; (ii) component assessment and selection; (iii) performance enhancements; (iv) requirement changes; and (v) future risk reduction plans for the IDPS segment.</p> <p>(g) The IDPS software design will be evaluated to ensure completeness, feasibility, performance, robustness, and maintainability.</p>

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 562-2.4—Field Terminal Segment	
<p>2.4.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide the allocation of the system specification requirements to the Field Terminal segment specification.</p> <p>(b) Describe how the Field Terminal segment design software meets the requirements in the Field Terminal segment specification and the approach to identify Government hardware and interface requirements.</p> <p>(c) Describe EDR performance for HRD.</p> <p>(d) Describe EDR performance for LRD.</p> <p>(e) Discuss how design flexibility will accommodate segment changes/updates.</p> <p>(f) Describe the Field Terminal Segment software design, including (i) the allocation of Field Terminal requirements to software; (ii) how the design will meet those requirements; (iii) the use of COTS and Reusable Code and their integration into the Segment; (iv) how sensor vendor algorithm software will be incorporated and integrated into the Field Terminals; and (v) how the software design will accommodate modified and new algorithms.</p>	<p>2.4.2 EVALUATION CRITERIA.</p> <p>(a) The proposal will be evaluated for accurate and complete flow down of the system performance requirements to the Field Terminal segment specification.</p> <p>(b) The Field Terminal segment design will be evaluated against the parameters of the Field Terminal Segment specification for meeting EDR performance requirements. The recommended hardware requirements and interface specifications for the HRD will be evaluated for its operational suitability in a regional, stationary-type environment. The recommended hardware requirements and interface specifications for the LRD will be evaluated for its operational suitability in a tactical, mobile, lightweight-type environment. (The Government's evaluation may include using simulation, inspection, and/or analysis.)</p> <p>(c) The segment design will be evaluated against EDR threshold performance requirements for HRD over a variety of environmental conditions.</p> <p>(d) The LRD EDR Performance specification in the Field Terminal Segment specification will be evaluated for best value performance.</p> <p>(e) The design will be evaluated for flexibility to accommodate (i) technology assessment, development, and insertion; (ii) component assessment and selection; (iii) performance enhancements; (iv) requirement changes; and (v) future risk reduction plans for the Field Terminal segment.</p> <p>(f) The Field Terminal Segment software design will be evaluated to ensure completeness, feasibility, performance, robustness, and maintainability.</p>

L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)

Section 3—Subfactor 3 -- Systems Engineering, Integration & Test (SEIT) and Planning.

This section outlines the information required to make an assessment of the adequacy of the overall systems engineering integration, & test (SEIT), and planning, approaches proposed for the program. A disciplined system engineering process, focused on reducing risk and cost, that is pervasive in terms of implementation of common tools and processes across the prime offeror, sister companies, subcontractors and vendors, is essential for program success. The first parts focus on information and criteria needed to assess the proposed Systems Engineering approach. The focus of the planning-related parts is program planning implementing a real time Integrated Management Framework (IMF) to support program insight and control, and planning for development and deployment of the integrated logistics support program for NPOESS. The tables show the information and criteria required to make an assessment of the adequacy of program planning, management and program processes, tools and procedures proposed by the offeror. To facilitate evaluation of this subfactor, and for no other purpose, it is subdivided into seven parts (but the evaluation remains at the subfactor level and no ratings are assigned to the parts)—

- 3.1 Systems Engineering Process (see Table 562-3.1);
- 3.2 Test and Evaluation Approach (see Table 562-3.2);
- 3.3 Integrated Management Framework (see Table 562-3.3);
- 3.4 Integrated Master Plan (see Table 562-3.4);
- 3.5 Integrated Master Schedule (see Table 562-3.5); and
- 3.6 Supportability (see Table 562-3.6)
- 3.7 Software Systems Engineering (See Table 562-3.7)

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 562-3.1—Systems Engineering Process	
<p>3.1.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Describe its systems engineering process (including tools) and how the subcontractor and sister company processes will be integrated into a single process.</p> <p>(b) Describe its plan to effectively coordinate its Systems Engineering process with the joint IPO /NASA NPP Systems Engineering process.</p> <p>(c) Describe its approach to managing NPOESS and NPP external and inter-segment interfaces and identify all external and inter-segment interfaces, ICDs, POCs, etc.</p> <p>(d) Describe its approach to EMI/EMC/RFI management, Contamination Control, and Configuration Management.</p> <p>(e) Describe its approach to Risk Management; Identify the top 10 risks for both the NPOESS and NPP programs, and discuss its risk management plans.</p>	<p>3.1.2 EVALUATION CRITERIA.</p> <p>(a) The proposed system engineering process will be evaluated for a streamlined approach and the effective integration of the subcontractors and sister companies into the process.</p> <p>(b) The plans for coordinating the offeror's Systems Engineering process with the NASA NPP Systems Engineering process will be evaluated for streamlining and effectiveness.</p> <p>(c) The approach to managing external and inter-segment interfaces will be evaluated to determine that it is comprehensive, well defined, mature, and that adequate interface control has been established.</p> <p>(d) The offeror's approach will be evaluated to assess understanding of EMI/EMC/RFI management, Contamination control, and Configuration Management.</p> <p>(e) The offeror's approach will be evaluated to assess understanding of risk management and demonstration of satisfactory plans for further risk management and mitigation.</p>

Table 562-3.2—Test And Evaluation Approach	
<p>3.2.1 INSTRUCTIONS. The offeror shall—</p> <p>Describe the approach for manufacturing, integration, environmental, acceptance testing and the acceptance criteria for IOC, and how they are integrated into the verification and test program following the guidance of the TEMP.</p>	<p>3.2.2 EVALUATION CRITERIA.</p> <p>The T&E program will be evaluated to ensure that it is a comprehensive system verification approach compatible with TEMP guidance, that it will ensure maximum use of early testing, and that redundant testing is minimized.</p>

Table 562-3.3—Integrated Management Framework (IMF)	
<p>3.3.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Describe how the CWBS flows from the Government WBS provided in L&M Annex A.</p> <p>(b) Describe how the IMP and IMS flow from the CWBS and SOO.</p> <p>(c) Describe how the IMP and IMS formulate the BCWS.</p> <p>(d) Show how it will use the Earned Value Management System (EVMS) to control the program and ensure it is executed to schedule and allocated budget.</p>	<p>3.3.2 EVALUATION CRITERIA.</p> <p>(a) (b) (c) The offeror's IMF structure (CWBS, IMP, IMS) will be evaluated to ensure that the actions necessary to design, develop and produce the NPOESS are included and track with events, accomplishments, and criteria contained in the IMP and scheduled in the IMS.</p> <p>(d) The offeror's EVMS will be evaluated to ensure that it provides accurate, timely, meaningful management control information. In addition, the EVMS will be evaluated to ensure that work packages link to the IMP and IMS events, accomplishments, and criteria.</p>

Table 562-3.4—Integrated Master Plan (IMP)	
<p>3.4.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide an IMP following the guidelines in L&M-535 (and the assumptions in L&M-540), including the events that the offeror feels are critical to the program.</p> <p>(b) In the IMP, provide IMP process narratives for its key systems engineering and management processes to include the linkages to subcontractors and sister divisions.</p>	<p>3.4.2 EVALUATION CRITERIA.</p> <p>(a) The IMP will be evaluated to ensure it contains clearly measurable events supported with well-defined accomplishments and criteria, which enable the offeror to monitor and manage progress in EMD development and production.</p> <p>(b) The processes described in the IMP will be evaluated to ensure they provide adequate controls and standardization and to ensure that they demonstrate that the offeror has adequate system engineering and management control processes in place for all aspects of the program.</p>

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 562-3.5—Integrated Master Schedule (IMS)	
<p>3.5.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide an IMS that details the program schedule required to execute the proposed program, including (i) linkage to the IMP events, accomplishments and criteria; (ii) the Critical Path clearly defined in the IMS; and (iii) a resource-loaded risk schedule.</p> <p>(b) Submit a report of a Monte Carlo simulation of the IMS critical path, reflecting 20/80, 50/50, and 80/20 probabilities of success.</p>	<p>3.5.2 EVALUATION CRITERIA.</p> <p>(a) The level of detail and integration of the IMS will be evaluated (i) to determine how well it shows the calendar schedule and task loading to achieve each significant event; and (ii) for reasonableness and consistency with the IMP.</p> <p>(b) The critical path will be evaluated to ensure that it is realistic, achievable, reflects a resource loaded risk schedule, and as demonstrated by Monte Carlo analysis, portrays a total program critical path.</p>

Table 562-3.6—Supportability	
<p>3.6.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Provide a summary ILS description that addresses the following ILS elements for NPOESS and NPP initial and follow-on operations and maintenance capability, including (i) maintenance planning concept; (ii) supply support management concept; (iii) packaging, handling, storage and transportation concept; (iv) support equipment concept; (v) facility management concept; (vi) manpower and personnel concept; (vii) training management concept; (viii) computer resources management concept, and technical manual development concept.</p> <p>(b) Provide the plan to develop and provide Interim Contractor Support (ICS) through IOC, including site activation support.</p>	<p>3.6.2 EVALUATION CRITERIA.</p> <p>(a) The offeror's ILS description will be evaluated to determine if it conveys a clearly integrated support approach, including NPP operations and maintenance.</p> <p>(b) The ICS plan will be evaluated to ensure that it provides a low risk, low cost approach to support operations through IOC.</p>

Table 562-3.7 Software Systems Engineering	
<p>3.7.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Describe its software development process, test approach, and tools, including (i) software development management; (ii) coordination, integration and control of the software development among all software team members; (iii) the use and coordination of metrics; and (iv) the software and platform for the ground test bed for the development and maintenance of flight software.</p> <p>(b) Describe its ability to migrate algorithm science code from developing organizations into the IDPS and FTS operational software baselines.</p> <p>(c) Provide the Software Engineering Institute (SEI) Capability Maturity Model (CMM) Level for each software team member (and where an organization is not at CMM Level 3, (i) the plans to get it to Level 3 in 18 months after award of contract or (ii) plans to mitigate the software management risk of that organization for the life of the program) (Note 1: the rating must have been received within two years prior to the date of the proposal.) (Note 2: a software team member is any internal or external organization that develops, tests, or supports software-related work being performed for this contract; these organizations include, for example, intra-corporations software organizations, in-house service providers, developers, fabrication/manufacturing organizations, laboratories, and subcontractors).</p>	<p>3.7.2 EVALUATION CRITERIA.</p> <p>(a) The process will be evaluated to ensure soundness of the management approach, effective coordination and monitoring of the development, effectiveness of the metrics, and fidelity of the tools.</p> <p>(b) The approach will be evaluated to ensure the soundness of the technical processes, technical communication/coordination, and management approach that accommodates new science code while maintaining the integrity of the operational baseline(s).</p> <p>(c) SEI certification levels will be evaluated to determine the team's capability and to assess program risk</p>

L&M-562—PROPOSAL VOLUME 2 INSTRUCTIONS—MISSION CAPABILITY (cont'd)

Section 4—Subfactor 4—Management and Organization.

This section outlines the overall management and organizational approach for the NPOESS EMD, Production and Interim Contractor Support programs. The focus of the section is the offeror's approach to organizing, staffing, and managing the NPOESS program within a Total System Performance Responsibility (TSPR) environment and the offeror's facilities and processes required to complete the EMD, Production and Support programs. This section outlines the information required to make an assessment of the adequacy of organization and management approaches and plans proposed by the offeror. To facilitate evaluation of this subfactor, and for no other purpose, it is subdivided into five parts (but the evaluation remains at the subfactor level and no ratings are assigned to the parts)—

- 4.1 Overall Organizational Approach (see Table 562-4.1);
- 4.2 Subcontract and Sister Company Management (see Table 562-4.2);
- 4.3 Staffing Plan (see Table 562-4.3);
- 4.4 Facilities Planning (see Table 562-4.4); and
- 4.5 Design and Production Processes (see Table 562-4.5)

Table 562-4.1—Overall Organizational Approach	
<p>4.1.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Describe where the NPOESS program fits in the overall corporate and sector organizational structure.</p> <p>(b) Describe the program director's reporting channels and authority.</p> <p>(c) Provide certification levels for quality, program management, and systems engineering for the company and its teammates.</p> <p>(d) Describe the approach for accepting and executing Total System Performance Responsibility.</p> <p>(e) Describe the approach to establish and maintain the algorithms and algorithm support facility, including use of the Operational Algorithm Teams (OATs).</p> <p>(f) Provide an NPOESS program organizational chart that outlines its Integrated Product Team (IPT) structure, including (i) depiction of how the NPOESS program integrates with company core organizations and how Government representation on the IPTs will be implemented; and (ii) names of key personnel (e.g. program manager and deputies, system engineer, program control,</p>	<p>4.1.2 EVALUATION CRITERIA.</p> <p>(a) Organizational placement with respect to other programs being executed within the corporation or sector will be evaluated to assess the ability of the NPOESS manager to obtain corporation or sector resources and appropriate program priority.</p> <p>(b) The NPOESS Program Manager's reporting chain and level of financial decision authority will be evaluated to assess the ability of the NPOESS program management organization to be responsive to IPO requirements.</p> <p>(c) Levels of quality, program management, and systems engineering certifications will be evaluated to determine the team's capabilities and to assess program risk.</p> <p>(d) The approach to accepting and executing TSPR will be evaluated to determine the offeror's ability to manage the NPOESS team to execute the NPOESS program within cost, schedule and performance constraints.</p> <p>(e) The offeror's approach to stand up and maintain the algorithm support facility will be evaluated to ensure that the facility can support day-to-day operations and system updates as they occur.</p>

Table 562-4.1—Overall Organizational Approach	
IPT leads, etc.) and their company affiliations.	(f) The organizational structure will be evaluated to ensure that IPTs are appropriately staffed and product oriented.

Table 562-4.2—Subcontract and Sister Company Management	
<p>4.2.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Identify the key teammates including subcontractors and sister companies) and their role in the program, defining the role in terms of work share and the basis of the work share determination.</p> <p>(b) Describe how it will incentivize employees, subcontractors, and sister companies to provide superior program performance.</p> <p>(c) Describe the approach for integrating the teammates processes and management systems.</p> <p>(d) Describe how subcontractor performance to schedule and cost targets will be managed.</p>	<p>4.2.2 EVALUATION CRITERIA.</p> <p>(a) Span of control within the offeror's NPOESS organization and the offeror's proposed mechanisms for integrating subcontractors and sister companies will be evaluated to assess the offeror's ability to achieve adequate technical integration.</p> <p>(b) The offeror's incentivization approaches for its subcontractors and sister companies will be evaluated to ensure the offeror can achieve and maintain continued long-term commitment to the success of the program.</p> <p>(c) The offeror's approach to integrating teammate processes and management systems will be evaluated to determine the degree of standardization and streamlining across the NPOESS organizational structure.</p> <p>(d) Proposed subcontractor, sister company and vendor cost and schedule management controls will be evaluated to determine their consistency with the level of development and production risk.</p>

Table 562-4.3—Staffing Plan	
<p>4.3.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Describe how it plans to staff the EMD program, including include skill categories by levels (i.e., junior, journeyman and senior software engineer, financial analyst, program management, etc.).</p> <p>(b) Describe the sources that it plans to use to staff the program for each skill category, including both internal and external sources.</p> <p>(c) Provide brief biographies of its key program personnel to include teammates (down to tier 3 in the program organizational structure).</p>	<p>4.3.2 EVALUATION CRITERIA.</p> <p>(a) The sufficiency of the proposed manning levels and skill mix will be evaluated to ensure that they are adequate to execute the program.</p> <p>(b) Proposed staffing sources will be evaluated for adequacy in terms of total numbers and availability.</p> <p>(c) Key personnel biographies will be evaluated to ensure that the offeror has staffed the NPOESS program with a leadership team possessing the knowledge, skills and experience required to deliver program success.</p>

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 562-4.4–Facilities Planning	
<p>4.4.1 INSTRUCTIONS. The offeror shall—</p> <p>(a) Identify critical internal and external facility requirements to support the design, development, production, operation, and sustainment of the NPOESS system, including test facilities.</p> <p>(b) Describe the facility need dates and period(s) of time that it will use the facility, including necessary set-up and teardown times.</p> <p>(c) Identify any capital investment anticipated and construction that may be necessary to support the program.</p> <p>(d) Identify any potential scheduling conflicts and how it plans to manage the potential conflicts.</p> <p>(e) Describe the process used by the program and IPT leads to obtain the resources required for program execution (e.g., IT, tools, facilities, indirect funding, capital investment).</p>	<p>4.4.2 EVALUATION CRITERIA.</p> <p>(a) The facility plan will be evaluated to ensure that all required facilities are identified and that the availability of critical facilities will be actively managed.</p> <p>(b) Facility use dates will be evaluated to ensure that they are compatible with the overall program schedule and reflect reasonable periods of use.</p> <p>(c) Proposed capital investments and facility construction requirements will be evaluated to ensure that they are consistent with program’s schedule.</p> <p>(d) Risks associated with potential facility conflicts will be evaluated to determine associated program impacts.</p> <p>(e) The IPT resource acquisition process will be evaluated to ensure that IPT leads can obtain the resources required to deliver their products, and that they will be held accountable for delivering a product that conforms to requirements on schedule and on cost.</p>

Table 562-4.5–Design and Production Processes	
<p>4.5.1 INSTRUCTIONS. The offeror shall—</p> <p>Describe how design and production processes are flexible enough to meet segment changes/upgrades necessitated by the changing needs of the program.</p>	<p>4.5.2 EVALUATION CRITERIA.</p> <p>Design and production processes flexibility will be evaluated for realism and executability.</p>

L&M-563—PROPOSAL VOLUME 3 INSTRUCTIONS—PAST PERFORMANCE

(a) Offerors may submit current and past performance data occurring since March 1997 for themselves and for each proposed critical subcontractor (as determined by the offeror based on the scope of each subcontract and relevance to the program) and/or joint venture partner, that they consider relevant in demonstrating the ability to perform the proposed EMD/Production effort. The offerors' past performance information may include data on efforts performed by other divisions or corporate management only if such resources will be used or significantly influence the performance of the proposed effort. Contracts listed may include those with the Federal Government, state and local governments or their agencies, and commercial customers. Offerors that are newly formed entities without prior contracts or that do not possess relevant corporate past performance shall list contracts demonstrating the past performance of all key personnel. Volume III should address Past and Present Performance contract information only.

(b) The offeror shall include, and identify as such, at least three relevant success/turnaround contracts detailing problems encountered, recovery methodologies, and relative success obtained in alleviating these problems as part of the past performance submissions specified in paragraph (a).

(c) The offeror shall also submit, and identify as such, at least three relevant success/turnaround contracts for any subcontractor, teaming contractor, and/or joint venture partner that will be involved with the Interface Data Processing Segment (IDPS).

(d) To aid in evaluating relevancy of submitted contracts, the offeror shall describe how the work performed under the submitted contract compares in complexity to the proposed effort and how the relevancy of this work applies to the four mission capability performance subfactors plus cost. Offerors should note that some contracts may be more complex than the proposed effort, but could be less relevant than contracts with similar complexity to the proposed effort.

(e) The offeror shall also provide a listing of all contracts that have been terminated since March 1997 with a summary of the termination rationale.

(f) The Volume 3 page count limit is three pages per contract identified, not to exceed 50 pages total. The total number of contracts shall not exceed eight contracts for the prime contractor. Questionnaire tracking records, contact data sheets, and client authorization letters are excluded from the page count limit.

(g) The Past Performance Volume shall contain the following sections:

(g)(1) Section 1—Offeror's Experience Summary Table. Offerors shall submit an experience summary as illustrated in Table 563-1 that depicts related experience by any part of the offeror's team. At a minimum, the table shall reference programs submitted in Volume 3. Work must be applicable to the TSPR contract, but could have been performed anytime. This section shall consist of one page using the table format shown below. The first column will denote whether the contract was accomplished by the prime contractor or by a sub-contractor. The second column will contain the name of the program being submitted for evaluation. The remaining columns will contain one of the following symbols:

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 563-1 Offeror's Experience Summary Table

Contractor	Program Element/ Proposal Requirement	System Performance	Segment Design	SEIT & Planning	Management and Organization	Cost
	Program					
	Contract 1					
	Contract 2					

Note: A filled in circle (●) if effort performed for a particular program element since March 1997. An open circle (○) if effort performed for a particular program element was earlier than March 1997. A blank, if offeror or sub-contractor has no experience in this area.

(g)(2) Section 2–Contract Descriptions. The offeror shall submit a description of contracts where it performed or is performing work as a prime contractor similar to the work contemplated by the RFP. This section shall be organized by contract and shall include the following information for each contract discussed:

- i. Contractor/Subcontractor places of performance, CAGE Codes and DUNS numbers
- ii. Government contracting activity, address, telephone, and fax number
- iii. Name, address, telephone, and fax numbers for:
 - a. Procuring Contracting Officers, Contract Administrators, Administrative Contracting Officers
 - b. Program, Project, or subcontract Managers–Procuring Agency
 - c. Technical representative–Procuring Agency
 - d. Other Cognizant Authorities (e.g., previous program managers, Contracting Officers, technical leads)
- iv. Contract Number
- v. Contract Type
- vi. Award date
- vii. Awarded price/cost–Final negotiated price/cost
- viii. Final, or projected final, price/cost -
 - a. Actual contract cost for the time period being evaluated, vs. cost of the program over whole lifecycle.
 - b. Actual contract cost by subcontract, vs. cost of entire project (when applicable)
- ix. Original delivery schedule–Final Negotiated (contractual) delivery schedule
- x. Final, or projected final, delivery schedule
- xi. If a fee or incentive type contract, specify the percentage of the fee for each period since March 1997. Provide rating and accompanying rationale.
- xii. Performance and Relevancy Narratives.
 - a. Offerors shall provide a specific narrative explanation of each contract listed describing the objectives achieved and detailing how the effort is similar to any requirements of this solicitation. (NOTE: Not all submitted contracts need address all requirements.) This discussion shall justify ratings given in the Relevancy Matrix for this contract (see Item xiii) by specifically addressing the relevancy criteria used for this evaluation. For contracts awarded prior to March 1997, limit the narrative discussion to work performed since that date. The narrative shall explain what design and test milestones were accomplished and/or products delivered since March 1997. If it is necessary to refer to earlier work at any point in the narrative, specifically identify it as such. Include a brief explanation and corrective action for any contracts that did not meet

original cost, schedule, or technical performance requirements. List each time the delivery schedule was revised and provide an explanation of why the revision was necessary, including clarification of whether cost and or schedule revision(s) were Government directed. If final or projected costs are greater than award costs, quantify how much of the cost growth was not due to Government directed added scope, schedule slips, etc. Provide a copy and a summary of any cure notices or show cause notices received on each contract listed and a description of any corrective action taken. Indicate if any of the contracts listed were terminated and the type and reasons for the termination.

b. The offeror shall also include a narrative description of the relevance of the offeror's past performance to each of the Mission Capability Sub-factors identified in the relevancy matrix below, and shall point out how the contract met or achieved those critical areas. The narrative shall also include a description of how that past performance is relevant to the proposed NPOESS effort. The relevancy description shall focus on the similarities between the work performed on that contract and the work that contractor will perform on NPOESS, rather than a description of how that experience, expertise, and/or product will benefit the NPOESS program in general.

c. The offeror may describe any current quality awards, provided to the segment of the company that will support the NPOESS EMD/Production effort or certifications that indicate the offeror possesses a high-quality process for developing and producing the product or service required. Examples of such awards or certifications include: the Malcolm Baldrige Quality Award, other Government quality awards, and private sector awards or certifications. Identify the segment of the company received the award or certification, the award duration (i.e. yearly, quarterly, etc), when it was bestowed, and why they received this award. The offeror shall not include performance data from other divisions or "corporate management" entities not planned for direct involvement during the execution of the program.

d. For those efforts in which the offeror is aware of unfavorable and/or Marginal past performance, but in which the offeror has made significant progress not yet credited or formally documented, the offeror shall provide a narrative explaining "fixes" made to date or any other information regarding the unfavorable/Marginal assessment. The offeror shall include similar language for each critical subcontractor, teaming contractor, and/or joint venture partner for whom this is applicable. The narrative shall contain evidence of the offeror's ability to isolate the root causes of problems and shall describe programs or actions taken to resolve those causes. The offeror shall describe all lessons learned in such a way as to show benefit on the NPOESS EMD/Production contract. Problems not addressed by the offeror, but found by the Government during the evaluation of the information in this volume or independently obtained, will be assumed to still exist. Note: In the case of the Air Force's Contractor Performance Assessment Reporting System (CPARS), if the offeror has already provided input and the rationale/ circumstances have not changed, DO NOT repeat them here. The Government will use data provided by each offeror in this volume and data obtained from other sources in the development of performance risk assessments. Also, the Government will use the Past Performance Questionnaire (Annex B) to obtain past performance information. The Government reserves the right to change and/or supplement the questionnaire.

- xiii. Performance/Relevancy Matrix. Offerors shall also submit a performance/relevancy matrix (Table 563-2) for each contract with the information provided in the matrix corresponding to the narrative provided above. Each contract or subcontract on which relevant experience was gained in a Mission Capability sub-factor shall have a matrix filled in as shown below. The "P/S" column must have a P or S to denote that the experience was either as a prime contractor or as a sub-contractor. The "Relevancy"

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

column shall denote relevance, using the relevancy ratings defined in Table 512-2, of the team's performance/relevancy in the contract with respect to the role that team will perform on the NPOESS effort. Fill each space in the columns, unless the contract reflects no performance/relevancy in that area, in which case the space is to be left blank.

Table 563-2—Performance/Relevancy Matrix			
		P/S	Relevancy "1" to "5"
CONTRACTOR:			
M. C. Subfactors	System Performance		
	Segment Design		
	SEIT & Planning		
	Management and Organization		
Cost			

Items (i) through (xii) of Section 2 and award fee percentages shall be addressed together under one table. The "Relevancy Matrix" is to be placed to the right of the first table and the "Performance and Relevancy Narratives" is to be placed below the matrix.

(g)(3) Section 3 - Subcontracts. Offerors shall provide a summary outline of how the effort required by the solicitation shall be assigned for performance within the contractor's corporate entity and among the proposed subcontractors. Offerors shall provide the information required above for any proposed subcontractor who shall perform a significant portion of the NPOESS EMD effort.

(g)(4) Section 4 - New Corporate Entities. New corporate entities may submit data on prior contracts involving its officers and employees. However, in addition to the other requirements in this section, the offeror shall discuss in detail the role performed by such persons in the prior contracts cited.

(g)(5) Section 5—Questionnaires. So that the Government may know from whom it should expect a completed Past and Present Performance Questionnaire, the offeror shall provide a listing of the entities from whom it has requested submission of a questionnaire (see sample tracking record in the NPOESS electronic library (<http://npoesslib.ipn.noaa.gov>)). This section will also include a photocopy of each such request. Questionnaires are to be sent by offeror to Government PM's, CO's, etc. (See Annex B for specific guidance regarding questionnaires).

(g)(6) Section 6—Award Fee Letters. For submitted contracts that have award fee, offerors shall submit Fee Determining Official award fee letters. Only submit letters from within the last five years. These letters shall not count toward the page count of this volume. If a letter(s) cannot be found, provide an explanation of efforts accomplished and a point of contact used to obtain other letters for the contract. If an award fee percentage is available where there is no letter available, submit the percentage.

L&M-564—PROPOSAL VOLUME 4 INSTRUCTIONS—COST

Section 1—Introduction. This section shall include a Table of Contents, specifying, by page number, where each cost/price format and each piece of narrative data is located.

Section 2—Cost Information.

(2.1) Cost Formats.

(2.1.1) Overview. The cost/price volume proposal overview shall provide comprehensive narrative support for the cost/price proposal volume. The narrative shall explain the philosophy and methodology used in developing the estimates along with appropriate historical cost data illustrations, labor categories and hours.

(2.1.2) Estimating Methodology. The offeror shall—

(a) Provide a summary description of the standard estimating system or methods. The summary description shall cover separately each major cost element (e.g., Direct Material, Engineering Labor, Manufacturing Labor, Indirect Costs, Other Direct Costs, Overhead, G&A, etc.) unless a parametric model was used that does not provide this level of data. If a parametric model was used, provide a description of the model and the input parameters required. Also, identify any deviations from standard estimating procedures in preparing this proposal volume. Indicate whether the Government has approved the estimating system and /or parametric model and, if so, provide evidence of such approval.

(b) Provide a summary description of the proposed purchasing system or methods (e.g., how material requirements are determined, how sources are selected, when firm quotes are obtained, what provision is made to ensure quantity and other discounts). Also, identify any deviations from standard procedures employed in preparing this proposal. Indicate whether the Government has approved the purchasing system and if so, provide evidence of such approval.

(c) Indicate whether the Government has approved the accounting system, and, if so, provide evidence of such approval. Also, identify any deviations from standard procedures used in preparing this proposal.

(d) If estimated costs required to perform the proposed effort have been decreased due to a management-directed reduction, provide a summary of the reduction by major cost element summary and complete rationale for the reduction.

(2.2) Information Other than Cost or Pricing Data. The offeror shall—

(2.2.1) Provide then-year-funding requirements by Government fiscal year by appropriation, supported by quarterly projections of expenditures, commitments, and termination expenses.

(2.2.2) Provide a cost summary for the instant contract (including the basic effort plus all priced options) by major cost elements by CLINs for each FY. The offeror also shall include a cost summary sheet that totals all CLINs by Government FY (see sample at Table 564-7 (Cost Summary by CLIN by Fiscal Year)).

(2.2.3) Submit a CWBS summary schedule in the example shown at Table 564-6

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

(CWBS Summary Schedule). In the first column, "CWBS No.", insert the proposed CWBS to correspond to the elements of cost stated in the "Description" column. The CWBS number shall be the highest level CWBS that will permit a meaningful analysis (minimum level as described in Section L & M Annex A -- WBS). Provide summations to all higher CWBS levels. All hours shown in this table shall be consistent with hours stated in the cost summary. This documentation shall include but is not limited to un-priced BOE sheets and the proposed labor skill mix.

(2.2.4) Provide a Basis of Estimate containing relevant documentation for both prime offeror and subcontractor effort which shall explain the rationale for the proposed labor and other direct costs. The offeror shall describe in general terms how the hour estimate for each CWBS element was developed. The offeror shall specify the type of data used to develop the estimate, i.e., historical experience from XYZ program, why that program was relevant, engineering judgment, and cost estimating relationships (CERs, etc.). The offeror shall include an identification and brief description of each CWBS element. The offeror shall also include for each CWBS element a skill mix identification and position description for both prime and subcontractor effort. (See example for BOE Labor Skill Mix at Table 564-1 (BOE Labor Skill Mix)).

(2.2.4.1) For each computer software configuration item (CSCI) the offeror shall provide the number of new and pre-existing (designed for reuse & not designed for reuse) source lines of code (SLOC). Existing software intended for reuse should be explicitly identified as to the origin of the software, and whether it is commercial-off-the-shelf (COTS), a tailored development effort from a named program, or other origin.

The offeror shall provide the basis for each cost estimate in sufficient detail to permit Government verification. This should include the identification of cost estimating tools/methodologies and the corresponding input parameters.

Where parametric models are used as a primary or cross-check methodology, it is highly encouraged that all model input files be provided. Such parametric inputs and resulting model outputs must be clearly reconcilable with the offeror's proposal and enable the Government to recreate the estimate of software costs by CSCI.

Table 564-1—BOE Labor Skill Mix (Sample)		
Skill Mix	CWBS No.	Hours
Senior Engineer		
Lead Engineer		
Technician		
Total Hours		

(2.2.5) Submit a listing of the proposed probable subcontractors and inter-divisional transfers showing (a) the supplier; (b) description of effort; (c) type of contract; (d) price and hours proposed by each, and (e) price and hours included in prime's proposal to the Government (see example at Table 564-2 (Schedule of Probable Subcontractors)).

(2.2.6) Submit by CWBS element a listing of each major material item with an extended value exceeding \$100,000 showing nomenclature, part number, quantity required, unit price,

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

and extended price. (See example at Table 564-3 (Schedule of Major Material Items)). Identify if item is part of prime contract or subcontract.

Table 564-2 —Schedule of Probable Subcontractors (Sample)						
SUPPLIER	DESCRIPTION OF EFFORT	TYPE CONTRACT	SUBS HRS	SUBS PRICE	PROP HRS	PROP PRICE
TOTALS						

Table 564-3—Schedule Of Major Material Items (Sample)					
CWBS No.	NOMENCLATURE	PART NUMBER	QTY REQ'D	UNIT PRICE	TOTAL PRICE
	TOTALS				

(2.2.7) Provide a schedule of rates—

(a) Submit a schedule showing proposed direct and indirect rates by year. This schedule is to include (but separately identify) offeror, subcontractor(s) and inter-divisional transfer(s) rates. Note, if subcontractor cost proposals or inter-divisional rates are not available to the offeror, the offeror shall have this data sent directly to the Contracting Officer by the proposal deadline and reference this solicitation number (see example at Table 564-8 (Schedule of Rates)).

(b) Submit data to support all indirect rates used in calculating the proposed costs. Each offeror shall indicate whether the proposed indirect rates are those negotiated under a Forward Pricing Rate Agreement (FPRA). If the offeror has a current FPRA and has proposed rates other than the FPRA rates, the offeror shall identify the proposed rate versus the FPRA rate and state the estimated total cost difference. In addition, each offeror shall explain the method and basis of allocation for each rate.

(2.2.8) Submit an electronically encoded cost/price model in support of the proposed price. The cost/price model submitted must be consistent with the offeror's approved estimating system and must duplicate the logic and mathematical formula reflected in the paper copy of the proposal. Data file(s) shall be in .XLS file format (MS Excel, Release 5.0 or later) or compatible format. Cost/price models submitted shall comply with this section. PDR LCCE model may be acceptable.

Section 3—Other Information. The offeror shall provide any other relevant cost assumptions and information, which form the basis of its proposal. These cost assumptions and information include, but are not limited to, the use of Government-furnished property, Government-furnished equipment, advance procurement costs, termination costs, inflation rate summary and explanation, special tooling, special test equipment. The offeror shall list any exception or qualification it has taken to the ground rules and assumptions provided in the solicitation, and provide complete rationale.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Section 4—Preliminary Design Review (PDR) Life-Cycle cost Estimate (LCCE). The offeror shall submit a PDR LCCE in offeror format that is consistent with the proposed technical baseline and submit a basis of estimate/methodologies used for the PDR LCCE. The Government has provided a list of the Government's ground rules and assumptions at L&M-540, which may be referenced here. The Government will provide a Summary WBS & Dictionary and may be referenced in the LCCE. The offeror shall provide a lower level WBS & Dictionary of all estimate accounts for entire scope of the NPOESS, including GFE, in accordance with estimating guidance. For any Government-furnished resources proposed by the offeror, the offeror shall describe the basis for assuming the availability of those resources, estimate the marginal cost of using such resources, and propose alternate sources to be used if the resources are not provided, and the cost of these alternate sources. The offeror shall provide justification if the estimate exceeds the CAIV targets (BY\$02) or if the proposed contract funding requirements exceed the cumulative budget profile (TY\$) shown in the figures below.

Table 564-4—Total Program CAIV Targets		
Cost Element (BY02\$M)	Threshold	Objective
O&S	969	918
Acquisition	3,153	2,963

Includes all costs from the start of EMD to the end of the Mission Life, except as specifically excluded.

Excludes Government Program Office and Standard Launch Services.

Table 564-5—Cumulative Funding Profile								
	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09
Cumulative (TY\$M)	60	406	870	1324	1780	2236	2544	2865

*Offeror's funding requirements shall be Substantially Compliant with this profile and any exceedence justified.

Includes all costs from the start of EMD to the end of the Mission Life, except as specifically excluded.

Excludes Government Program Office and Standard Launch Services.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 564-6—CWBS Summary Schedule (Sample)						
CWBS NO.	DESCRIPTION	FYXX	FYXX	FYXX	etc.	TOTALS
X.X	Sensor Suite					
	Prime Hours					
	Sub 1 Hours					
	Sub n Hours					
	Inter-divisional Hours					
	Material - Prime					
	Material - Sub 1					
	Material - Sub n					
	Material - Inter-divisional					
	Total - Prime					
	Total - Sub 1					
	Total - Sub n					
	Total -Inter-divisional					
X.X	EDR Algorithms					
	Prime Hours					
	Sub 1 Hours					
	Sub n Hours					
	Inter-divisional Hours					
	Material - Prime					
	Material - Sub 1					
	Material - Sub n					
	Material - Inter-divisional					
	Total – Prime					
	Total – Sub 1					
	Total – Sub n					
	Total –Inter-divisional					
Etc.	Etc.					
TOTALS						

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

Table 564-7—Cost Summary by CLIN by Fiscal Year (Sample)				
CLIN: XXXX				
COST ELEMENT	FY01	FY02	etc.	TOTAL
Prime Hours				
Sub 1 Hours				
Sub n Hours				
Inter-divisional Hours				
Total Hours				
Direct Labor – Prime				
Overhead – Prime				
Material – Prime				
Subcontractor 1				
Subcontractor n				
Inter-divisional				
Other Direct Costs – Prime				
Subtotal				
G&A				
Estimated Cost				
Facility Capital Cost of Money				
Award Fee				
Initial Target Profit				
Total Cost Plus Initial Target Profit/Award Fee				
Ceiling Price				
Material – Subcontractor 1 (non-add)				
Material – Subcontractor n (non-add)				
Material – Inter-divisional (non-add)				

Table 564-8—Schedule of Rates (Sample)					
ELEMENTS OF COST (RATE CATEGORIES)	PRIME 2001	PRIME 2002	SUB1 2001	SUB2 2001	IDT 2001
(all categories of labor such as:)					
LC-1 Program Manager					
LC-2 Program Engineer					
(all indirect rates and profit/fee)					
Material Overhead					
G&A					
Facilities Capital Cost of Money					
Award Fee					
Initial Target Profit					
Ceiling Profit					
Share Ratio – Over Target					
Share Ratio – Under Target					

L&M-565—PROPOSAL VOLUME 5 INSTRUCTIONS—PROGRAM RISK MITIGATION ORAL PRESENTATION

(a) This volume shall consist of Power Point slides without facing page text. The only page limit is the offeror's practical ability to present and discuss all of them at its Program Risk Mitigation Oral Presentation. Where the offeror intends to provide hands-on, computer simulations, or other modes of presentation, the information to be provided or demonstrated must be graphically summarized in one or more Power Point slides in this volume with a notation that the hands-on, computer simulations, or other presentation modes will be provided at the combined Program Risk Mitigation Oral Presentation.

(b) The offeror is cautioned that this volume is due to the Government on the common cut-off date for submission of its complete proposal in L&M-560 and that no changes will be permitted before the Program Risk Mitigation Oral Presentation is conducted.

(c) In the electronic version of this volume on CD-ROM, the offeror is encouraged to liberally link from its Mission Capability, Past Performance, and Cost Volumes to this volume wherever doing so will help substantiate or reinforce the assertions made in those volumes.

NOTE: The red team suggested changing para. (a) to require complete submission of the demonstrations and simulations to be presented at the oral presentation, instead of summary charts – this could be done by submission of multiple CD-ROMs or a hard drive.

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

L&M-566—PROPOSAL VOLUME 6 INSTRUCTIONS—MODEL CONTRACT

This volume will comprise the offeror's offer, complete in every respect and ready for acceptance by the Government. This volume is not subject to a page limitation. At a minimum, it shall include the items listed below:

(1) Model Contract Section A (SF-33), with signature of official authorized to bind the offeror (use contract number F04701-02-0500 everywhere a contract number is required here and elsewhere).

(2) Model Contract Sections B-J.

(3) Model Contract CDRL Exhibit A. A complete listing of data the offeror intends to provide or make available, using DD Form 1423.

(4) Model Contract Atch 1 Integrated Master Plan (identical to the IMP submitted in Volume 2).

(5) Model Contract Atch 2 NPOESS System Specification.

(6) Model Contract Atch 3 Contract Work Breakdown Structure.

(7) Model Contract Atch 4 Award Fee and Mission Success Fee Plan.

(8) Model Contract Atch 5 Government-Furnished Property (GFP). The Government will provide the SARSAT and ADCS instruments as GFP. The Government will provide facilities for MMCs and for IDPS at Centrals. If an offeror desires use of other GFP, it shall submit a list of any GFP or Special Tooling and Test Equipment needed to perform the EMD effort at the prime or subcontract level. If no GFP is required, so state. Provide written permission of the contracting officer or other Government representative possessing control of the property to permit its use in (16) below. NOTE: It is the offeror's responsibility to arrange for the use of any Government property needed in performance. Also provide an assessment of the cost and schedule impacts of nonavailability of desired GFP.

(9) Model Contract Atch 6 Technical Data Restrictions. Pursuant to DFARS provision 252.227- 7013, list any data which the offeror proposes to deliver with other than unlimited rights, and define the limitations it proposes to apply (e.g., limited rights, Government Purpose License Rights, etc.). If the offeror notifies the Government that technical data will be delivered with other than unlimited rights, the notice shall be accompanied by the representation found in DFARS 252.227-7013(j), and shall be included herein. For all such instances, include—

(A) name of party claiming rights in data (the prime or subcontractor);

(B) type of items, components, processes or computer software;

(C) description of technical data or computer software; and

(D) type of Government rights restrictions.

(10) Model Contract Atch 7 Small, Small Disadvantaged, and Women-Owned Business Subcontracting Plan.

(11) Model Contract Atch 8 DoD Contract Security Classification Specification, DD Form 254, with the offeror's information included in the form.

Additional documents should be included as appendices to Volume VI:

(12) Representations and Certifications (RFP Section K, completed by the offeror).

(13) Exceptions and Explanations. In every instance where the model contract differs from the RFP (except for providing expected standard fill-ins), provide a rationale for the difference. For each instance, also provide a statement expressing whether or not the difference is material (that is, whether or not the offeror's proposal is conditioned upon the Government's acceptance of the difference). Also provide any other documentation or reports required by the RFP, or any other notices or explanations from the offeror needed to explain the proposed business arrangement.

(14) Location Information. Provide the name, street address, mailing address, Zip code, county, size of business (large or small), and labor surplus area designation of all facilities

SECTIONS L & M
(Instructions to Offerors and Evaluation Criteria)

performing over \$10 million of effort on the contract. Indicate if facility is a division, affiliate, subcontractor or associate. If more than one place of performance is listed, indicate the percentage of work to be performed at each.

(15) Incentives, Commitments, and Warranties. If the offeror proposes any incentives, commitments, or warranties for the Government's benefit, these will be detailed here.

(16) GFP Written Authorization.

(17) Instrument Subcontract arrangements.

(19) Export Control. Inasmuch as performance of a contract resulting from this solicitation may involve technical data which is subject to the export licensing jurisdiction of the Department of State and its International Traffic in Arms Regulation (22 CFR 120-130 and the U. S. Munitions List), the offeror shall describe any foreign involvement in the proposal or proposed contract performance and how it has or will comply with U. S. export control laws and regulations along with any actions which may be required by the Government.

(20) Mentor-Protégé candidates.

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Annex A to Sections L&M F04701-02-R-0500

NPOESS Work Breakdown Structure (WBS)

**NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL
SATELLITE SYSTEM (NPOESS)**

7 DEC 2001

Purpose

The following is a Work Breakdown Structure (WBS) for the entire NPOESS program. It covers all efforts potentially required to meet the program objectives throughout the program lifecycle. The lifecycle for the NPOESS program begins at Milestone I, March 1997 and runs through the end of the mission life as defined in the Integrated Operational Requirements Document (IORD) and the Technical Requirements Document (TRD). This approximately 20 year period, from 1997 to 2018, includes effort performed on multiple contracts. Each contract contributes to one or more parts of the overall program WBS. Under the Total System Performance Responsibility (TSPR) concept, the TSPR contract includes effort in most of these WBS elements. To simplify accounting, two elements have been created which specifically exclude TSPR contractor effort. These are the Launch Segment, WBS 1.1, and the Government Program Office, WBS 1.15. TSPR contributions to launch support are included primarily in the Flight Support Operations and Services (FSOS), WBS 1.10. The remaining elements describe additional efforts that may be required to achieve the NPOESS program objectives.

The WBS allows the Government and TSPR offeror to organize their estimates under a common structure. When extending the WBS into a Contract WBS (CWBS), the TSPR effort shall be allocated in accordance with the definitions contained herein. It is not required that the CWBS include the full range of efforts described in the definitions nor that it extend from all WBS elements. Depending on the system architecture proposed, some elements may not be necessary to achieve program objectives. Similarly, elements may contain effort that will be provided by the Government. The CWBS shall extend only below the provided elements. Equipment, services, support, or other resources exclusively provided by the Government are labeled Government Furnished (GF).

Work Breakdown Structure (WBS)*

- 1 National Polar-orbiting Operational Environmental Satellite System (NPOESS)
 - 1.1 Launch Vehicle Segment (GF)
 - 1.1.1 Launch Vehicle Services (GF)
 - 1.1.2 Mission Unique Integration (GF)
 - 1.2 Space Segment
 - 1.2.1 Satellite Assembly, Integration & Test
 - 1.2.2 Spacecraft
 - 1.2.3 Payload
 - 1.2.3.1 VIIRS
 - 1.2.3.2 CMIS
 - 1.2.3.3 CrIS
 - 1.2.3.4 ATMS
 - 1.2.3.5 OMPS
 - 1.2.3.6 GPSOS
 - 1.2.3.7 ADCS (GF)
 - 1.2.3.8 SARSAT (GF)
 - 1.2.3.n Other Payloads (*SESS, TSIS, ERBS, Radar Altimeter, Survivability Sensor, and APS, etc.*)
 - 1.3 Command, Control & Communications Segment (C3S)
 - 1.4 Interface Data Processing Segment (IDPS)
 - 1.5 Systems Engineering/Program Management (SE/PM) & Data
 - 1.6 System Test & Evaluation
 - 1.7 Systems Training
 - 1.8 Peculiar Support Equipment (PSE)
 - 1.9 Common Support Equipment (CSE)
 - 1.10 Flight Support Operations & Services (FSOS)
 - 1.10.1 Mission Unique Integration
 - 1.10.2 Mate, Checkout, and Launch
 - 1.10.3 On-Orbit Support and Operations
 - 1.11 Storage
 - 1.12 Industrial Facilities
 - 1.13 Initial Spares & Repair Parts
 - 1.14 Operations & Support (O&S)
 - 1.15 U.S. Government Program Office (GPO) Support (GF)
 - 1.16 Field Terminal Segment

*(Note: An alternative numbering system by Offeror is authorized.)

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1 National Polar-orbiting Operational Environmental Satellite System (NPOESS)

This refers to the hardware, software, data, services, and facilities required to attain and/or maintain NPOESS. NPOESS includes launch vehicles, satellites, communications, command and control, processing facilities and equipment, mission integration, and other mission equipment and personnel necessary to provide and sustain an operational capability in space. Specifically, the NPOESS is a joint agency program combining the capabilities of the DoD DMSP and DOC POES operational space systems into a single converged system. The program will be required to provide, for approximately a decade, a remote sensing capability to acquire, receive (at ground terminals), and disseminate (to processing centers), global and regional data. These data include cloud cover imagery as well as other specialized meteorological, climatic, terrestrial, oceanographic, and solar-geophysical data. The goal of the converged program is to reduce the cost of acquiring and operating the U.S. polar-orbiting environmental satellite systems, while continuing to satisfy United States operational civil and national security requirements. It is anticipated that operational data will be collected with a variety of sensors to provide both civil and military environmental data.

1.1 Launch Segment (Government Furnished)

This segment includes all costs to procure the launch vehicle, integrate the satellite (s) with a launch vehicle, and launch the satellite into the required orbit. NPOESS satellites are designed to be compatible with the Evolved Expendable Launch Vehicle. This segment also includes costs for launch services which include the organization, maintenance and management of launch vehicle facilities and mission equipment, launch base support and flight support operation for the launch vehicle. Other flight support operation costs are assigned under WBS element 1.10. Flight Support Operations & Services.

1.1.1 Launch Vehicle Services (Government Furnished)

This element refers to the materials and services provided by the Launch Vehicle Contractor (LVC) that are needed to place the NPOESS satellite into orbit using the MLV class of the EELV boosters. Launch vehicle services includes all processing operations, standard payload integration, and launch. Standard payload integration is defined per the EELV Program Standard Interface Specification and provides a pre-defined envelope of basic interfaces and services.

1.1.2 Mission Unique Integration (Government Furnished)

This element refers to the services provided by the LVC to accomplish first launch LV/SV mission unique integration (MUI). MUI normally occurs only on the first launch but may be required for subsequent launches due to mission, spacecraft, or payload changes that could impact the booster, payload interface, or launch site facilities. The scope varies greatly and can impact any or all LV systems: structural, electrical, or mechanical elements.

1.2 Space Segment

This Segment includes recurring and nonrecurring costs of all components for risk reduction, design, qualification, and production of the completed satellite ready for shipment to launch site or storage. The major components of the space segment are satellite integration, assembly & test, spacecraft bus, IPO-developed sensors, leveraged payloads, and Government furnished (GF) payloads. The functions of the space segment are to sense and collect data, receive and execute commands from the C3S, transmit stored mission data to the C3S, and transmit high rate and low rate data to external field terminal collection platforms.

1.2.1 Satellite Integration, Assembly, and Test (IAT)

This element refers to all satellite efforts associated with the design, development, and production of mating surfaces, structures, equipment, parts, materials, and software required to assemble associated level 3 WBS elements into level 2 mission equipment (hardware/software) as a whole and not directly part of any other individual level 3 element. IAT includes all efforts associated with the following: (a) The development of engineering layouts and determination of overall design characteristics; (b) The set up, conduct and review of testing assembled components or subsystems prior to installation; (c) The detailed production design, producibility engineering planning (PEP), and manufacturing process capability, including the process design development and demonstration effort to achieve compatibility with engineering requirements and the ability to produce economically and with consistent quality; (d) Inspection activities related to receiving, factory and vendor liaison; (e) Design maintenance effort; (f) Quality planning and control; (g) Tooling (initial production facilities, factory support equipment) including its planning, design and fabrication; (h) Administrative engineering; (i) The joining or mating and final assembly of level 3 equipment elements to form a complete prime mission equipment when the element assembly is performed at the manufacturing facility; (j) Integration of software (including the loading and verification of firmware); and, (k) The conduct of production acceptance testing. This IAT element also includes all spacecraft testing chambers (vacuum, shock, thermal, etc.) and costs associated with systems engineering activities related to the integration of spacecraft bus subsystems. The IAT element excludes all system engineering/-program management/data (SE/PM/Data) and system test and evaluation (ST&E) associated with the overall system.

1.2.2 Spacecraft

The spacecraft element refers to the principle operating space vehicle which serves as a housing or platform for carrying a payload and other mission-oriented equipment in space. This element includes, for example, structure, communications, power, attitude determination and control, and other equipment characteristic of a spacecraft bus. It also includes all design, development, production, and assembly efforts to provide the spacecraft bus as an entity.

1.2.3 Payload

The payload element refers to that equipment provided for special purposes in addition to the normal equipment integral to the spacecraft bus. It includes, for example, the sensor suite placed on board the vehicle, communications, instrumentation, telemetry equipment and other mechanisms that are specifically mission-oriented to collect data for future planning and projection purposes. Typical hardware normally includes, for example, associated multiple detector elements, calibration devices, sensor system electronics, sensor housing/equipment, and other sensor subsystems. This element includes software intrinsic to specific sensors, along with the design, development, production, and assembly efforts for each sensor. This element also includes costs associated with systems engineering efforts to integrate payload sensors in regard to field of vision analyses, bus impacts, and electromagnetic interference. All effort directly associated with the integration, assembly, test and checkout of these elements into the space segment is excluded.

1.2.3.1 Visible Infrared Imager Radiometer Suite (VIIRS)

This element refers to the design, development, and production of all hardware and flight software components of the VIIRS to include any engineering development, protoflight, and production units. It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.2.3.2 Conical Microwave Imager Sounder (CMIS)

This element refers to the design, development, and production of all hardware and flight software components for complete units of the CMIS to include any engineering development, protoflight, and production units. It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.2.3.3 Cross-Track IR Sounder (CrIS)

This element refers to the design, development, and production of all hardware and flight software components for complete units of the CrIS to include any engineering development, protoflight, and production units. It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully

integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.2.3.4 Advanced Technology Microwave Sounder (ATMS)

This element refers to the design, development, and production of all hardware and flight software components for complete units of the ATMS to include any engineering development, protoflight, and production units. Design and development specifically refers to unique efforts that may be required for Flight Unit #2 and beyond. Design, development and production of Flight Unit #1 are Government Furnished (Flight Unit 1 is the NPP instrument). It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.2.3.5 Ozone Mapper and Profiler Suite (OMPS)

This element refers to the design, development, and production of all hardware and flight software components for complete units of the OMPS to include any engineering development, protoflight, and production units. It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.2.3.6 Global Positioning System Occultation Sensor (GPSOS)

This element refers to the design, development, and production of all hardware and flight software components for complete units of the GPSOS to include any engineering development, protoflight, and production units. It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.2.3.7 ADCS (Government Furnished)

This element is the Advanced Data Collection System (ADCS) transponder (e.g., ARGOS-3) which is provided as GF (with the exception of the antennas and cables).

The ARGOS system is an international surface data collection system that is managed by France.

1.2.3.8 SARSAT (Government Furnished)

This element is the Search and Rescue Satellite Aided Tracking (SARSAT) instruments that are provided as GF (with the exception of the antennas). The SARSAT system is part of the COSPAS-SARSAT international search and rescue system that is managed by representatives of the U.S., Canada, France, and Russia. The SARSAT beacons and LUTs will be supplied, implemented, operated, and maintained by local authorities.

1.2.3.n Other Payloads (SESS, TSIS, ERBS, Radar Altimeter, Survivability Sensor, and APS, etc.)

This element refers to the design, development, and production of all hardware and flight software components for complete units of any additional payloads that will be procured and or modified to satisfy NPOESS requirements to include any engineering development, protoflight, and production units. It includes the design, fabrication, assembly, and test of individual hardware and flight software components and/or modules plus the integration, assembly and test efforts required to produce fully integrated and tested sensor suite units. All necessary efforts to develop, produce, and test the required sensor algorithms are also included along with the activities associated with all required special test equipment, special tooling, production planning, systems engineering, and program management.

1.3 Command, Control, and Communications Segment (C3S)

Includes all hardware and software required for command and control, data routing and retrieval, satellite simulation and the C3S level integration, assembly, test, and configuration management. The functions of the C3S are to transfer commands from the mission management centers to the satellite; to receive telemetry data from the satellite and transfer such data to the mission management centers; to receive stored mission data from the satellite and transfer it to the IDPS; to provide voice communications between the elements of the C3S; and to provide a mechanism for on-orbit satellite test and evaluation. The C3S includes costs for the ground hardware/software equipment used to communicate between control and tracking facilities, monitor the health and status of satellites, command the satellite's hardware and adjust the satellite's orbit as required for health or mission purposes and provide for overall enterprise management. Recurring costs to operate and sustain the C3S are included in WBS 1.14 Operations & Support. Also includes the Flight Vehicle Simulator consisting of hardware and software elements that provide a high-fidelity dynamic simulation of all spacecraft subsystems and mission sensors.

1.4 Interface Data Processing Segment (IDPS)

Provides for processing of mission data. The functions of the IDPS are to ingest data transferred from the C3S (global, multispectral data and other specialized meteorological, oceanographic and solar-geophysical data); process these data into

environmental products, and make them available to national environmental and weather centers. IDPS includes costs for the ground hardware/software equipment used for data processing along with segment level integration, assembly, test, configuration management and algorithm development capability. Processing for field terminals is covered in WBS 1.16. Recurring costs to operate and sustain the IDPS are included in WBS 1.14 Operations & Support.

1.5 System Engineering/Program Management/Data Segment

This segment is defined as the systems engineering, system integration, configuration management and business management of all segments of the NPOESS system. SE/PM encompasses the overall planning, directing, and controlling of the definition, development, and production of the NPOESS system and major segments, including logistics engineering and management. SE/PM/Data effort that can be associated specifically with equipment (hardware/software) elements, e.g., spacecraft bus, payloads, etc., is excluded. This segment also includes costs associated with the contractor production of government-required documentation. Excludes Government Program Office costs, which are included in WBS 1.15.

1.6 Systems Test and Evaluation

This element includes Developmental Test and Evaluation (DT&E), Operational Test and Evaluation (OT&E), and Combined Test and Evaluation. DT&E is conducted to demonstrate that the engineering design and development process is complete, that design risks have been minimized, and that the integrity of the segment interfaces and the overall system design and performance is ensured. The tests will include both functional and environmental tests. The purpose of OT&E is to verify that NPOESS is operationally effective and suitable. OT&E is conducted by AFOTEC and supported by the EMD/Production contractor. OT&E will ensure that NPOESS will meet or exceed operational performance requirements. The Initial Operational Test and Evaluation (IOT&E) will assess the operational effectiveness and suitability of the NPOESS and provide feedback on operational issues and capabilities. OT&E will be conducted incrementally to provide an early assessment of operational capability. Combined Testing is defined as simultaneous testing conducted by the development and operational testers when cost, schedule, or test item availability dictates that they must share test facilities, resources, and data. NPOESS will utilize combined testing to the fullest extent possible in order to reduce costs and the time required to conduct all necessary testing. Events, staffing and activities for all segments are defined in the NPOESS TEMP.

1.7 Systems Training

System training is defined as the training services, devices, accessories, aids, equipment, and parts used to facilitate instruction through which personnel will acquire sufficient concepts and skills to operate and maintain the system with maximum efficiency. System Training includes all effort associated with the design, development, and production of deliverable training equipment as well as the execution of initial training services. System Training excludes the overall planning, management, and task analysis function inherent in WBS 1.5 SE/PM/Data.

1.8 Peculiar Support Equipment (PSE)

Includes the design, development, and production of those items and associated software required to support and maintain the NPOESS while not directly engaged in the performance of its mission, and which have application peculiar to a given material item. PSE includes, for example, vehicles, equipment, tools, etc., used to fuel, service, transport, hoist, repair, overhaul, assemble, disassemble, test, inspect, or otherwise maintain the mission equipment. It also includes any production of duplicate or modified factory test or tooling equipment delivered to the USG for use in maintaining the system (factory test and tooling equipment initially used by the contractor in the production process but subsequently delivered to the USG will be included as cost of the item produced). It also includes any additional equipment or software that will be required to maintain or modify the software portions of the system. PSE specifically excludes the overall planning, management and task analysis functions inherent in the work breakdown structure element systems engineering /program management, and the common support equipment presently in the USG inventory or commercially common within industry which is bought by the using activity and not by the program office.

1.9 Common Support Equipment (CSE)

Refers to those items required to support and maintain the system or portions of the system while not directly engaged in the performance of its mission, and which are presently in inventory for the support of other systems. CSE includes all efforts required to assure the availability of this equipment for support of the particular material item. CSE also includes the acquisition of additional quantities of this equipment if caused by the introduction of the material item into operational service.

1.10 Flight Support Operations & Service (FSOS)

The flight support operations element consists of mission unique integration, LV/SV mate, processing, launch, and initial on-orbit checkout. The scope includes SV personnel and material at the launch site and satellite operations center(s) supporting launch processing and post-launch orbit insertion systems testing. The flight operations and orbital checkout support element refers to the personnel and material required to operate individual mission control centers and to perform ground command and control associated with the spacecraft bus and payloads during the launch phase. It also includes effort and materials to conduct equipment receiving and checkout at the launch site, pre- and post-flight data reduction and analysis, any pre launch flight control/mission control planning for the spacecraft bus and payloads. In addition, this element covers those required activities performed at the primary contractor facility, the satellite operations center and other locations as assigned to process the NPOESS spacecraft bus and payloads either from factory shipment or removal from storage to launch. The launch support period begins at either the spacecraft's departure from the contractor facility, or its removal from storage, goes through lift off and ends with the completion of post launch activities and early orbit support. This segment also includes the preflight operations and services both subsequent to production and/or storage and during launch of the spacecraft bus and payloads plus launch support element, e.g.,

payload processing facilities, real property installed equipment and aerospace ground equipment not included in WBS 1.1 Launch Segment. This element excludes calibration/validation, which will be included in WBS 1.6.

1.10.1 Mission Unique Integration

This element refers to functions performed by the SVC to accomplish LV/SV mission unique integration (MUI). MUI normally occurs only on the first launch but may be required for subsequent launches due to mission, spacecraft, or payload changes that could impact the booster, payload interface, or launch site facilities. The scope varies greatly and can impact any or all SV and/or LV systems.

1.10.2 Mate, Checkout & Launch

This element refers to the standard recurring SV receipt, inspection, test, integration and mate, integrated testing, and launch support services performed by the Satellite Vehicle Contractor(s) (SVC) at the launch site.

1.10.3 On-orbit Support

The flight support operations and orbital checkout refers to the personnel and material at the primary contractor facility, the satellite operations center and other locations required to perform ground command and control associated with the spacecraft bus and payloads during the launch processing and post-launch orbit insertion. It excludes pre-launch and launch activities at the launch site. Flight support operations begins with the spacecraft's departure from the contractor facility and ends after the spacecraft and payloads have been verified operational ready.

1.11 Storage

Storage refers to those activities required to hold portions of the spacecraft bus and payloads while awaiting use of the system. These periods of holding include those resulting from schedule changes and/or technical problems exogenous to the portion of the spacecraft bus and payloads being stored, prepared for storage, or recovered from storage. This item also includes relocating the spacecraft bus and payloads from one storage area to another storage area when necessitated by mission requirements.

1.12 Industrial Facilities

Refers to the construction, conversion or expansion of industrial facilities for production, inventory and contractor depot maintenance required when that service is for the specific system; real estate and preparation of system peculiar industrial facilities for production, inventory, depot maintenance and other related activities; production equipment acquisition, modernization or transferal of equipment for the particular system (pertains to government owned and leased equipment under facilities contract). This element also includes industrial facilities for hazardous waste management to satisfy environmental standards.

1.13 Initial Spares & Repair Parts

This segment includes the purchase of components, assemblies and subassemblies used for initial replacement purposes in the Space, C3S, and IDPS equipment end items. It also includes repairable spares and spare parts required as initial stock to support and maintain the fielded system or systems during the first year **after IOC**. It does not include the purchase of entire instruments, sensor suites or other major subsystems.

1.14 Operations & Support

Includes the recurring costs for the personnel, material and services required to operate and maintain all operational segments of the NPOESS system. The following phases apply to O&S for all segments:

Phase 1 – Initial contractor O&S from completion of segment testing for NPP components through IOC.

Phase 2 – Government and Contractor O&S not earlier than IOC through the end of the program.

1.15 US Government Program Office (Government Furnished)

This element includes the NPOESS Integrated Program Office under the direction of a System Program Director (SPD) that will carry out the program or project. This involves the business and administrative planning, organizing, directing, coordinating, controlling, and approval actions designated to accomplish overall program objectives.

1.16 Field Terminal Segment

This element provides for Raw Data Record (RDR) and Environmental Data Record (EDR) processing at High Rate Data and Low Rate Data User Field Terminals. The functions of the Field Terminal Segment are (1) to accept Intermediate Frequency (IF) data from the User Field Terminal Antenna and Radio Frequency (RF) equipment, (2) to process these data into RDRs and EDRs, and (3) to transfer the processed data to the User Field Terminal. NPOESS field terminals will be located around the world in fixed and mobile configurations. A notional field terminal is composed of an antenna with associated RF equipment, a receiver, a front-end processor (which will run the NPOESS provided FTS software), and a database management system; all of these functions are similar to those of the Central user element. The Field Terminal Segment includes costs for field terminal unique software only. NPOESS will develop hardware requirement and interface specifications, but equipment purchase is the responsibility of the user. Recurring software maintenance costs are included in WBS 1.14 Operations & Support. First time training on each of the terminal types is included in WBS 1.7, System Training.

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**Annex B to Sections L&M
RFP F04701-02-R-0500**

Past Performance Questionnaire

NPOESS EMD/Production

**NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATELLITE
SYSTEM (NPOESS)**

7 DEC 2001

(a) The offeror shall request that each party for whom it has performed work similar to the work contemplated by this solicitation submit a past and present performance questionnaire to the Government (this may include work done as a prime contractor or subcontractor on a Government contract, or work wholly within the commercial sector). The questionnaire is available electronically in the NPOESS electronic library at <http://npoesslib.ipo.noaa.gov/>. Questionnaires shall also be requested from the customers of each of its primary subcontractors, teaming partners, and/or joint venture partners.

(b) The offeror is solely responsible for ensuring that questionnaires are submitted in time for use in the evaluation process, and shall make every effort to achieve this objective. Questionnaires are due five working days after the date established for submission of Vol. III, Past and Present Performance.

(c) An offeror's request to another entity for completion of a questionnaire should—

(1) include a statement that completion of the questionnaire is needed for the offeror's participation as a competitor in a formal source selection being conducted by the NPOESS Integrated Program Office;

(2) identify the contracting officer as Mr. John M. Inman, 301/427-2084 x162, john.inman@ipo.noaa.gov;

(3) require that questionnaires and a floppy disk be submitted directly to the Government, and not via the offeror, to NPOESS IPO (Attn: Source Selection Recorder), Centre Building, 8455 Colesville Road, Suite 1450, Silver Spring MD 20910;

(4) specify the date by which the questionnaire should be delivered;

(5) specify that envelopes should be marked "to be opened by addressee only—source selection sensitive see FAR 3.104—for official use only";

(6) indicate that fax transmission (301) 415-0384 is acceptable after calling the contracting officer or the source selection recorder at (301) 415-0396, but that both paper and electronic submissions are desired; and

(d) The Government desires that the questionnaires be completed by those with most knowledge of the subject contracts, and offerors are best served by requesting questionnaires from individuals with the most knowledge. For Government contracts, the following order of precedence is suggested: Government program or project manager, Government procuring contracting officer or negotiator, and Government administrative contracting officer.

(e) The offeror shall maintain a Past/Present Performance Questionnaire tracking record (a sample is available in the NPOESS electronic library at <http://npoesslib.ipo.noaa.gov/>) that documents all exchanges between and follow-ups made to each of the POCs from whom a questionnaire has been requested. An initial Past/Present Performance Questionnaire tracking record shall be submitted with the offeror's Past/Present Performance volume under Vol. III, Sect. 2. A final tracking record shall be submitted under separate cover to the contracting officer simultaneous with submission of the remainder of the proposal. This exchange/contact between the offeror and its POCs shall cease upon submission of the offeror's proposal to the government. The tracking record should be submitted in electronic format as well as printed form. The Government may conduct follow-up discussions with any of the people identified in the tracking records or in the offeror's Past/Present Performance volume. The Government may obtain other information by sending out additional questionnaires or through other sources.

Past Performance Questionnaire Tracking Record
[TO BE ACCOMPLISHED BY OFFEROR]*

OFFEROR'S REFERENCES COMPANY/AGENCY NAME:

REFERENCE NAME:

REFERENCE ADDRESS:

Date Of Action	Type Of Action (E.G., Sent Questionnaire, Follow-Up Call)	Person Contacted/ Phone #	Company Position Of Person Contacted	Offeror Contact	Status Of Questionnaire

<p align="center">Past Performance “CONTACT DATA Sheet” (TO BE COMPLETED BY PERSON FILLING SURVEY)</p>

Background Information (for person filling out the survey):

First Name:			
Last Name:			
Rank:			
Title:			
Organization:			
Phone:			
Fax:			
E-Mail Address:			
Dates of involvement: (6 month minimum)	From:		To:

Contract Information (for the contract involved):

Company:				
Division:				
Contract #:				
Dollar Value:	(Current Dollar Value) \$	Million <input type="checkbox"/>	Thousa nd <input type="checkbox"/>	
Work:	Complete <input type="checkbox"/>	Ongoing <input type="checkbox"/>		
Award date:				
End Item Description(s):	(In addition to describing end item deliverable, please indicate any significant products delivered or services rendered in the past five years)			
Major Design Milestones	(Ex: Preliminary or Critical Design Reviews - list only those which have occurred in the past 5 years)			
Significant Testing Milestones	(Ex: Developmental, Acceptance, Integration, Operational, Flight Tests - list only that which has occurred in the past 5 years)			
Target Cost:	On <input type="checkbox"/>	Above <input type="checkbox"/>	Below <input type="checkbox"/>	By:
Schedule:	On <input type="checkbox"/>	Ahead <input type="checkbox"/>	Behind <input type="checkbox"/>	By:
				%
				Months

Past Performance Questionnaire

Based on your knowledge of the contract identified above, please provide your assessment of how well the contractor performed on each of the following topics.

1. System Performance. The focus of the section is to determine how well an offeror has been able to match a proposed system configurations, Concept of Operations (CONOPS), and system level performances to the original program requirements.

2. Segment Design. The focus of this section is to determine how well an offeror has been able to develop designs that achieve predicted performance.

3. System Engineering, Integration & Test, and Planning. The focus of this section is to determine how well an offeror has been able to adequately develop overall systems engineering, integration, and testing approaches for proposed programs and to determine the adequacy, consistency, and flexibility of an offeror's program planning process over the entire period of a contract.

4. Management and Organization. The focus of this section is to determine the adequacy of an offeror's past approach to organizing, staffing and managing programs.

5. Cost. The focus of this section is to determine the adequacy of an offeror's ability to manage program costs.

It is very important to keep in mind that only performance in the ***past five years*** is relevant.

Rating Definitions

The following five adjectival ratings comprise the Common DoD Assessment Rating System. Note that DoD's assessment rating system recognizes the contractor's resourcefulness in overcoming challenges or problems that arise in the context of contract performance.

Exceptional (Dark Blue). Performance meets contractual requirements and exceeds many to the Government's benefit. The contractual performance of the element or sub-element being assessed was accomplished with few minor problems for which corrective actions taken by the contractor were highly effective.

Very Good (Purple). Performance meets contractual requirements and exceeds some to the Government's benefit. The contractual performance of the element or sub-element being assessed was accomplished with some minor problems for which corrective actions taken by the contractor were effective.

Satisfactory (Green). Performance meets contractual requirements. The contractual performance of the element or sub-element contains some minor problems for which corrective actions taken by the contractor appear or were satisfactory.

Marginal (Yellow). Performance does not meet some contractual requirements. The contractual performance of the element or sub-element being assessed reflects a serious problem for which the contractor has not yet identified corrective actions. The contractor's proposed actions appear only marginally effective or were not fully implemented.

Unsatisfactory (Red). Performance does not meet most contractual requirements and recovery is not likely in a timely manner. The contractual performance of the element or sub-element contains serious problem(s) for which the contractor's corrective actions appear or were ineffective.

(Please check the appropriate rating and **provide explanatory comments, at minimum for Exceptional, Marginal, and Unsatisfactory assessments.**)

Part I. MISSION CAPABILITY

A. Management and Organization

1. Total System Performance Responsibility [TSPR] effectiveness - how well the contractor managed and executed a program for which it had total responsibility.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
2. Ability to plan and implement a process for interacting with other contractors.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
3. Ability to consider end user needs during all stages of contract.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
4. Ability to work with government program office.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
5. Ability to plan and execute an effective incremental risk mitigation program from development to production to operation.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
6. Overall capabilities and expertise of personnel working on project (in terms of expertise, continuity, and relevancy).					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable

Comment:					
7. Ability to effectively staff and organize team working on project.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
8. Ability to meet major milestones and deliver product or service on schedule					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

B System Performance

1. Ability to meet program requirements					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
2. Ability of system to meet lifetime requirements (operating lifetime, storage, life cycle).					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
3 Ability of demonstrations and simulations to predict system performance requirements as verified by (Check all that apply): Flight Tests Ground Tests Simulations					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
4. Impact trade process on final system performance					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

5. Ability to design an efficient architecture that accounts for all aspects of the user operational environment.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

C. Segment Design

1. Overall capabilities to design, develop, manufacture, test and deliver, satellite system, large data analysis, and/or ground distribution networks.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
2. Ability to accommodate performance enhancements and/or technology assessment, development, and insertion					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
3. Space Segment - Ability to flow space segment specifications from system specifications. (Space Segment refers to any platform, sensor, or component in orbit)					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
4. Space Segment - Ability of space segment design to meet parameters of space segment specifications					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
5. Space Segment - Ability to respond to requirement changes and accommodate future risk reduction plans					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

6. C3 Segment - Ability to flow C3 segment specifications from system specifications. (C 3 Segment refers to all functions required for mission management, day-to-day operations and state-of-health monitoring of any component within the Space Segment)					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
7. C3 Segment - Ability of C3 segment design to meet parameters of C3 segment specifications					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
8. C3 Segment - Ability to respond to requirement changes and accommodate future risk reduction plans					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
9. Ground Data Processing Segment - Ability to flow Ground Data Processing segment specifications from system specifications					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
10. Ground Data Processing Segment - Ability of Ground Data Processing segment design to meet parameters of Ground Data Processing segment specifications					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
11. Ground Data Processing Segment - Ability to respond to requirement changes and accommodate future risk reduction plans					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

12. Field Terminal Segment - Ability to flow field terminal segment specifications from system specifications. (Field Terminal Segment refers to any hardware and software used by deployed/remote units to obtain data in real time.)					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
13. Field Terminal Segment - Ability of Field Terminal segment design to meet parameters of Field Terminal segment specifications					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
14. Field Terminal Segment - Ability to respond to requirement changes and accommodate future risk reduction plans					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

D. System Engineering & Planning

1. Ability to understand the user requirements					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
2. Ability to identify all significant technical, cost, and schedule constraints/risks early in program.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
3. Adequacy of Testing Program in accomplishing goals of program					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

4. Ability to design a system architecture using cost-performance trade studies and analysis.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
5. Effectiveness of system engineering capabilities including requirements flowdown to various segments and components of the system and ability to trace functional threads.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
6. Effectiveness of software system engineering capabilities including requirements flowdown to appropriate segments and components of the system and ability to trace functional threads.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
7. Appropriateness of facilities (production, integration, test, etc.) and personnel (quantity, training, capability, etc.).					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
8. Completeness of system documentation such as system/subsystem performance specifications (for example, the extent to which documentation enabled thorough assessment of final delivered product)					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
9. Completeness and Reasonableness of Integrated Master Plan					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
10. Realism, Reasonableness and Completeness of Program Schedule/Integrated Master Schedule					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

11. Adequacy of support plans (e.g. Risk Management)					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

Part II. COST

1. Ability to anticipate cost					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
2. Ability to use a validated cost/schedule control system such as Earned Value management reporting.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					
3. Ability to provide timely accurate financial reports and forecasts.					
Exceptional (Please Comment)	Very Good	Satisfactory	Marginal (Please Comment)	Unsatisfactory (Please Comment)	Not Applicable
Comment:					

Performance Survey

The foregoing inquiry should have allowed you to provide us with a reasonable assessment of the way in which the subject contractor has performed on recent contracts. The following questions are intended to allow you an opportunity to expand on your evaluation and provide us with a more comprehensive understanding of company performance. Completion of this segment of the Questionnaire is optional.

PROGRAM EXECUTION

1. Were products generally delivered when required contractually? If not, was the delay the result of contracting agency or contractor actions?
2. If schedule relief was provided by contract modification, did it result from scope change or from an overrun condition?

COST

1. Did the total cost exceed initial contract value by more than 10%? If so, by how much?	Yes	No
2. What proportion of increased costs were attributable to contracting agency actions (added scope, directed schedule mods, etc), rather than to development problems for which the contractor was responsible?		

OVERALL

1. If Award Fee contracts were used for the procurement, what percentage of available fee did the contractor earn in the periods before and following completion of the Preliminary Design Review? Critical Design Review?		
2. What is considered to be an average percentage award fee bestowed by your organization for similar contracts?		
3. Knowing what you do today, would you award this contract to this contractor again?	Yes	No
4. If you have any other comments that you would like to make (e.g. especially noteworthy performance, how to improve this survey, etc.) include them here also. Continue on another sheet, if necessary.		

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NPOESS EMD/PRODUCTION STATEMENT OF OBJECTIVES

3 DECEMBER 2001

1.0 Introduction

1.1 Program Background. The National Polar-orbiting Operational Environmental Satellite System (NPOESS) program was designated by Presidential Decision Directive as the single satellite system replacing the Department of Commerce (DOC) Polar-orbiting Operational Environmental Satellite (POES) and the Department of Defense (DoD) Defense Meteorological Satellite Program (DMSP) satellites. To accomplish this mission, the two-satellite DMSP and the two-satellite POES constellations will be replaced by NPOESS satellites in three orbital planes.

1.2 NPOESS Mission Description. The NPOESS will remotely sense global and regional environmental data from space, transmit raw data to ground terminals, process it into Environmental Data Records (EDRs), and disseminate it to civil and military users. Environmental data will include radiometric observations of the atmosphere and cloud cover imagery, as well as other specialized environmental, climatic, terrestrial, oceanographic, and solar-geophysical data. For the purposes of TSPR responsibility in this acquisition, an Initial Operational Capability (IOC) will be declared when: (a) NPOESS satellites are operational in two different orbital planes, (b) the EDR attributes associated with those two orbits are satisfied, (c) all weather Centrals are receiving processed data, (d) field terminal software is available; and (e) all Ground Segment elements required to operate all future production satellites have been delivered, tested, and certified ready for operations by the Government.

2.0 Program Objectives

2.1 To provide a single, national, polar remote-sensing capability to acquire, receive and disseminate global and regional environmental data.

2.2 To achieve National Performance Review (NPR) cost savings through the convergence of DoD and DOC environmental satellite programs.

2.3 To incorporate, where appropriate, technology transitioned from the National Aeronautics and Space Administration, Office of Earth Science Enterprise programs.

2.4 To encourage international cooperation.

3.0 Engineering & Manufacturing Development (EMD)

3.1 Phase Objective. The overall objectives of the NPOESS EMD effort are the completion of the final system design and the fabrication, test, deployment and support necessary to provide a capability for satellite environmental remote sensing sustainable for the program life-cycle.

3.2 System Development, Integration, System Engineering and Ground System Deployment Objectives.

3.2.1 Complete NPOESS development to the Critical Design Review (CDR) level and obtain Government approval of all final external interface requirements.

3.2.2 Track the progress of the Government's Windsat, NAST and other research programs and infuse technology lessons learned from these experiments to improve NPOESS performance and reduce risk.

3.2.3 Incorporate the current Government initiated sensor developments into the EMD design. Procure (or develop), integrate, and test sufficient instruments to achieve system requirements.

3.2.4 Deliver to the NPP satellite contractor VIIRS and CrIS templates, models, flight-qualified instruments and associated ground support equipment; provide engineering support for development of ICDs, integration & test plans and on-orbit activation plans and procedures; support instrument and spacecraft integration and test activities as required to support the NPP launch schedule.

3.2.5 Deliver and support C3 and IDP segments in time to support the projected NPP launch schedule. Provide for a seamless installation and integration of the IDP and C3 Segments into their host facilities.

3.2.6 Apply lessons learned from NPP to the development of NPOESS to efficiently and effectively transition appropriate NPP systems, subsystems, algorithms, and test facilities to NPOESS.

3.2.7 Complete delivery of C3 and IDP and Field Terminal segments to support the projected NPOESS launch schedule. Provide for a seamless installation and integration of the IDP and C3 Segments into their host facilities. Provide support to integration of the Field Terminal segment to agency field terminal program offices. Complete delivery of C3, IDP, and Field Terminal segments to support all projected production satellites.

3.2.8 Deliver the OMPS instrument for a flight of opportunity. Support integration and test of the instrument on the spacecraft and launch/post launch activity.

3.2.9 Develop instrument and system calibration plans and participate in the on-going calibration/validation efforts.

3.3 C1 & C2 Manufacturing and Planning for Production. Complete final sensor and satellite manufacturing, and planning for on-orbit checkout and calibration and validation activities required to achieve a launch call-up capability for NPOESS satellite(s) to support the launch schedule. The production strategy must accommodate the interchangeable configuration and launch of any satellite into any orbit to support backup and replacement requirements.

3.4 System Performance Verification. Implement and support a contractor and Government combined test and evaluation program (i.e. Combined Test Force (CTF)) encompassing both developmental and operational tests following the outlines in the Test and Evaluation Master Plan (TEMP). Minimize the cost and time for testing while assuring an acceptable level of performance risk. Wherever practical, integrated system tests of ground equipment and computer software installed in an operational system are preferred. Ideally, these tests will be conducted at target sites with operational personnel, enabling early combined Operational Test & Evaluation opportunities.

3.4.1 Validation and Verification

3.4.1.1 Demonstrate that all systems are properly integrated and functional (including satellite commanding and MMC functions). Demonstrate that mission data can be received, processed to specification, and distributed to NPOESS users. Demonstrate that error handling software is sufficiently robust to maintain performance of MMC and mission data processing functions through off-nominal and degraded conditions.

3.4.1.2 Validate by analysis, modeling, and/or simulation that EDR requirements are met under a broad range of conditions that are representative of those occurring in nature. All relevant sources of error, including those associated with the scene radiance, instrument, spacecraft, data transmission, and algorithms, shall be taken into account.

3.5 Initial Deployment. Support NPP mission system operational tests in preparation for mission readiness reviews and NPP Launch. Launch, checkout, calibrate, validate sufficient NPOESS satellites to achieve IOC. Launch services will be provided by the Government, using contractor support for both NPP and NPOESS satellites.

3.6 Pre-IOC Contractor Operations and Support. Establish an integrated system life-cycle supportability concept/design, consistent with system readiness/availability/dependability and LCC goals. Develop and define an optimized support infrastructure for Test & Evaluation (T&E) activities, production and deployment. Define Integrated Logistics Support (ILS) T&E requirements, including pre-operational support requirements. Deliver, install, activate, and deploy the total system support infrastructure, including site activation necessary to sustain initial operations – i.e., Interim Contractor Support (ICS) through IOC. The ICS architecture shall be flexible and support a transition of ILS to a Government agency or another contractor after IOC. Provide technical and program support needed to sustain the operational system at the required performance and cost objectives.

3.6.1 Provide documentation, training, and personnel for the operation, maintenance, and upgrading of the NPP C3 and IDP Segments through IOC.

3.6.2 Operate and support the NPP satellite, C3 and IDP segments. Deliver required RDR, SDR, TDR, and EDR performance.

3.6.3 Provide documentation, training, and personnel for the operation, maintenance, and upgrading of the NPOESS IDP and C3 segments through IOC. Provide documentation, training, and personnel for the maintenance and upgrading of the Field Terminal Segment software through IOC.

3.6.4 Operate and support sufficient NPOESS satellites to achieve IOC

4.0 Production

4.1 Phase Objective. The overall objectives of the NPOESS Production effort are the completion of the fabrication, test, deployment, storage, and launch support necessary to provide a capability for satellite environmental remote sensing for 10 years past first capability to launch.

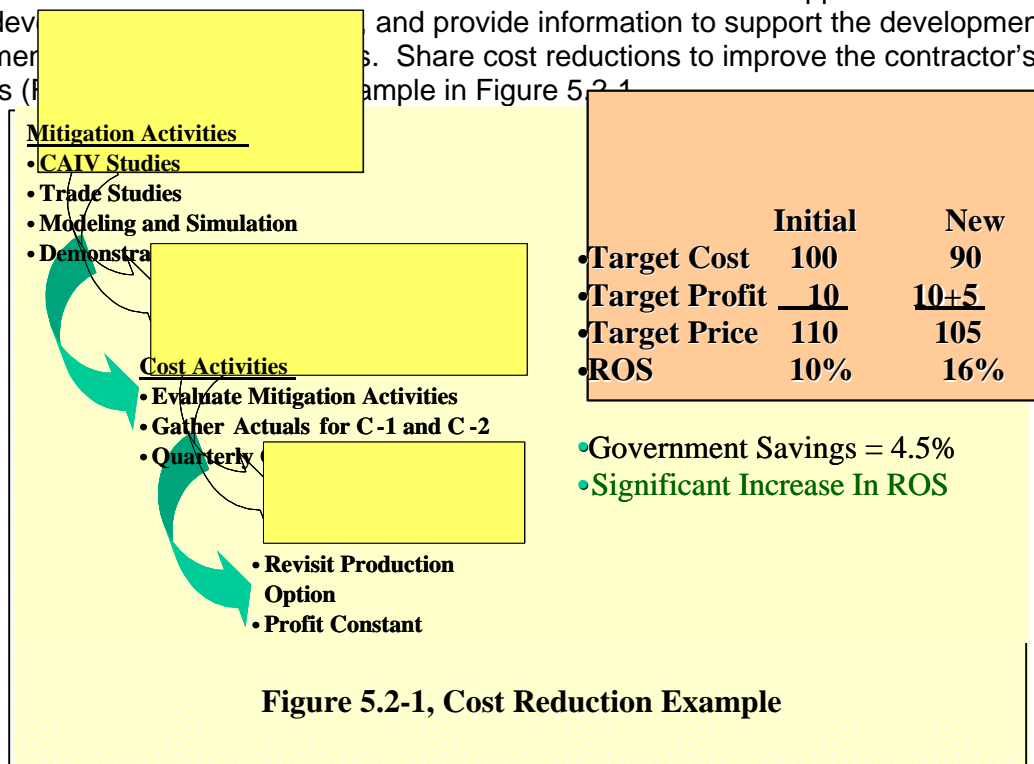
4.2 Satellite Production and Deployment. Complete all sensor, spacecraft bus, and satellite production, and the on-orbit checkout, calibration, and validation activities required to maintain the required operational availability throughout the NPOESS mission life. The production strategy must accommodate the interchangeable configuration and launch of any satellite into any orbit to support backup and replacement requirements.

4.3 Product Improvement. Infuse technology developments into the system design, throughout the NPOESS life cycle to expand system utility through instrument modifications and further exploitation of collected environmental data; e.g., continuous EDR performance improvement.

5.0 Cost Reduction Initiatives

5.1 Objective. Corporate commitment shall be made to achieve the objectives described above and provide a foundation for successful long-term partnership (i.e. life of program) based on tangible guarantees of performance (milestone accomplishment and mission integrity), commitment to resource staffing, and innovative corporate business initiatives targeted at accelerating future architecture migration and NPOESS objectives.

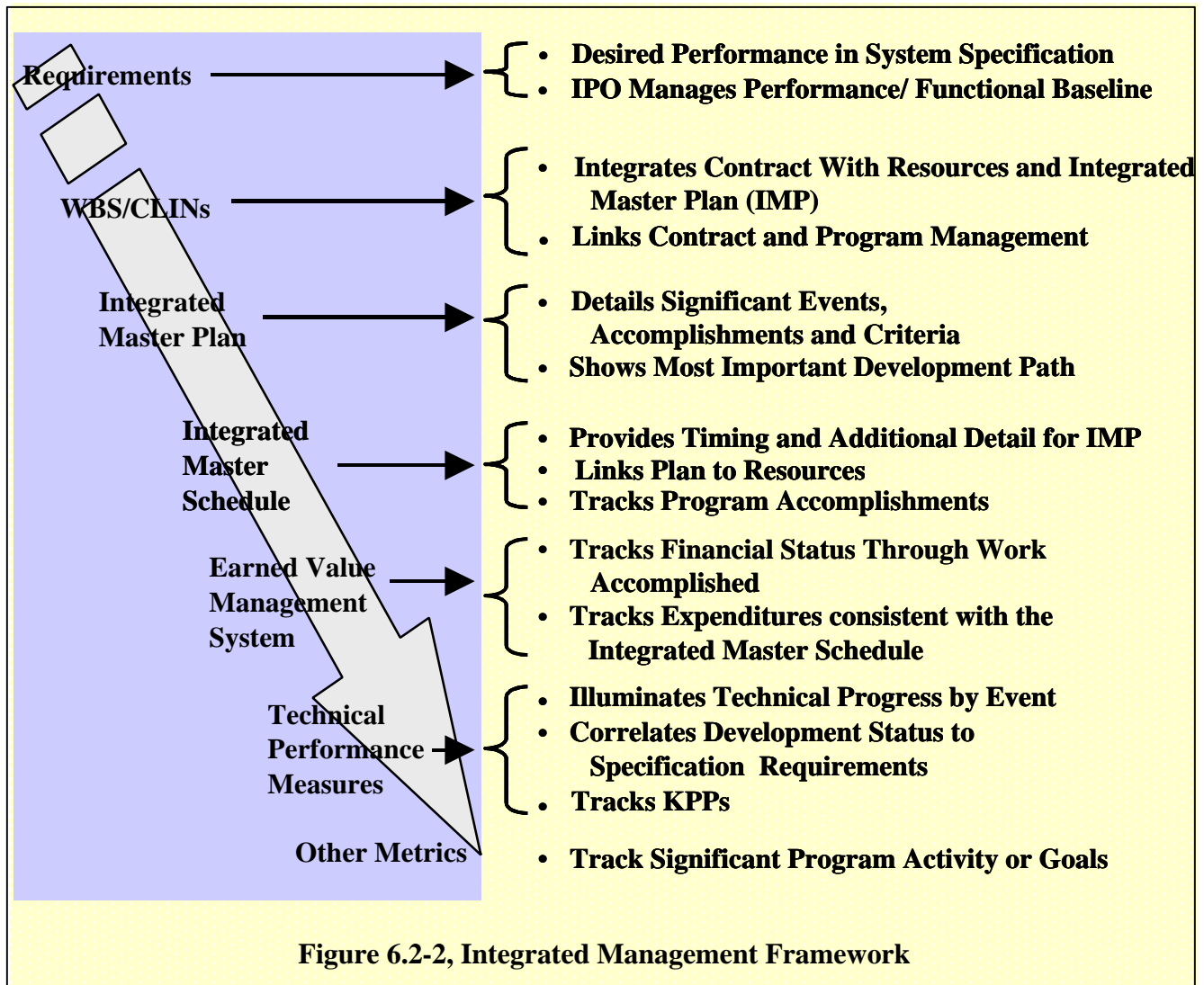
5.2 Life Cycle Cost Reduction Process. Conduct cost analyses and trades assuring a continuing cost effective implementation of NPOESS, use efficient long-lead procurement and sparing philosophies, maintain an efficient skill mix as the program matures, develop credible cost reduction estimates/recommendations based on cost-reduction opportunities identified during development and provide information to support the development of government proposals. Share cost reductions to improve the contractor's Return on Sales (ROS). Example in Figure 5.2-1.



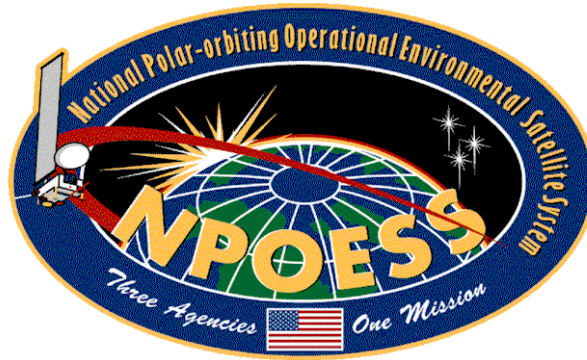
6.0 Management and Control

6.1 Objective. Provide flexible and innovative management of program cost, schedule, performance, risks, contracts and subcontracts, other agencies and data required to deliver and sustain an effective and affordable system.

6.2 Management and Control Process. Manage the EMD/Production program via the Integrated Management Framework as shown in Figure 6.2-2. The Government will conform to the contractor's desired organizational structure and fully expects a matrix management approach to personnel assignment.



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AWARD FEE and MISSION SUCCESS FEE PLAN

Attachment 3 to RFP F04701-02-R-0500

7 DECEMBER 2001

<u>Title</u>	<u>Date</u>	<u>Pages</u>
Award and Mission Success Fee Plan, Basic Provisions	xx xxx xxxx	3
Table 1-FDO, AFRB Members, and Performance Monitors	xx xxx xxxx	1
Table 2-Allocations and Earnings for the Development Effort	xx xxx xxxx	1
Table 3-Allocations and Earnings for the Production Effort	xx xxx xxxx	1
Table 4-Mission Success Fee Events and Amounts	xx xxx xxxx	1
Table 5-Award Fee Evaluation Criteria	xx xxx xxxx	1

AWARD FEE AND MISSION SUCCESS FEE PLAN

BASIC PROVISIONS (date)

1. INTRODUCTION

This plan is the basis for the Government's Award Fee and Mission Success Fee evaluation of the contractor's performance under contract F04701-02-C-0500 for the Engineering and Manufacturing Development (EMD) and Production phases of the National Polar-orbiting Operational Environmental Satellite System (NPOESS). This plan implements the clause at AFMCFARS 5352.216-9003, and must be read in conjunction with that clause.

This contract includes two types of award fee. The first is simply called "Award Fee". The second is called "Mission Success Fee". Both are award fee constructions and both are covered by this plan. The first (Award Fee) incentivizes the contractor's management approaches, technical excellence, and cost control efforts on an on-going, period-by-period basis. The second (Mission Success Fee) incentivizes the contractor's realization of certain specific achievements that are critical to the success of the program.

Both Award Fee and Mission Success Fee are further divided between the development and production efforts of this contract. The development effort is the design, development and deployment of the system, including operations and support, through the declaration of IOC. The production effort is for replenishment satellites for the program life.

The Award Fee and Mission Success Fee earned under this plan are earned at risk as described in contract clause H-521 (Fee Risk Covenant).

2. RESPONSIBILITIES

The Fee Determining Official (FDO), Award Fee Review Board (AFRB) members, and Performance Monitors are listed in Table 1.

The FDO is the Government official

designated to determine the amount of Award Fee and Mission Success Fee earned and payable to the Contractor. The FDO also makes rollover decisions.

The FDO may authorize interim Mission Success Fee payments. The AFRB Chair may authorize interim Award Fee payments.

3. FEE INTEGRITY

Determination of the earned Award Fee and Mission Success fee is inherently subjective. However, the process is clear enough to allow the contractor to understand how the award amount is based on performance. The contractor's assessment of its own performance, assessments produced by Government performance monitors, the knowledge of the AFRB and FDO, and the criteria specified in this plan shall form the basis for the recommendations of the AFRB and determinations by the Fee Determining Official.

4. AWARD FEE EVALUATION AREAS

For the Award Fee, the Government will assess the contractor's performance and progress under three areas: Management, Technical, and Cost. The criteria for these areas are listed in Table 5. Additional areas may be added as the program progresses. Additional areas will be added by mutual agreement.

5. SCORING

Award Fee and Mission Success Fee determinations are subjective and are not firmly tied to a numerical system. However, a scoring system as shown in Figure 1 will be used by the AFRB in making its recommendation to the FDO at the end of each Award Fee period or upon completion of each Mission Success Fee event.

**AWARD FEE AND MISSION SUCCESS FEE PLAN
BASIC PROVISIONS (date)**

Figure 1

Award & Mission Success Fee Scoring	
Excellent	93-100%
Fully Satisfactory	85-92%
Satisfactory	75-84%
Marginal	50-74%
Unsatisfactory	Below 49%

The AFRB will subjectively assign a percentage scoring, based on the criteria definition, to each of the Award Fee areas. For the Mission Success Fee recommendation, the AFRB will consider the event as a whole as it makes its subjective scoring. This will include an assessment of how much of the mission success objectives were met.

7. INTERIM AWARD FEE PAYMENTS

At the mid-point of an Award Fee period, the AFRB Chair may authorize an interim payment of up to 80% of the Award Fee available for that period, in accordance with the clause at H-519.

8. INTERIM MISSION SUCCESS FEE PAYMENTS

For any Mission Success Fee event, the FDO may authorize one or more interim payments of Mission Success Fee may be authorized. The contractor may submit a plan for achieving any Mission Success event for the FDO's consideration—this plan should briefly describe incremental achievements needed to make the Mission Success event a reality and may start as early as four years before the scheduled Mission Success event. The FDO may authorize interim Mission Success Fee payments at the one-, two-, and three-year points, so long as the cumulative value of these interim payments do not exceed the percentages shown in Figure 2. For all purposes, interim Mission Success Fee payments are like interim Award Fee payments and are subject to Government recoupment if the final FDO fee determination for the Mission Success event

is less than the amount authorized as interim fee.

Figure 2

Mission Success Fee Interim Payments	
Three Years Before	20%
Two Years Before	40%
One Year Before	60%

10. CHANGES TO THE FEE PLAN

In the event it becomes necessary to delete or change a Mission Success Fee event because of program changes, the FDO may reapportion the fee available for that event to other events (including newly-created Mission Success Fee events). For example, a NPP launch delay because of launch pad scheduling difficulties could serve as a basis for reapportioning the Mission Success Fee available for a NPP launch among other Mission Success Fee events.

11. ROLLOVER OF UNEARNED AWARD FEE

The FDO, at his or her discretion, may allow rollover of unearned Award Fee into the following period. This rollover will be reflected in Table 2 of this plan. For administrative purposes, the rollover is recorded in a separate column in Table 2 and is not added to the "available" column—but the rollover amount is, in fact, available for the period in which it is placed.

When the FDO authorizes rollover, he or she may specify the conditions, in general terms, the contractor must achieve to earn the rollover amount.

12. ROLLOVER OF UNEARNED MISSION SUCCESS FEE

The FDO, at his or her discretion, may allow rollover of unearned Mission Success Fee into the following events or into new events.

**AWARD FEE AND MISSION SUCCESS FEE PLAN
BASIC PROVISIONS (date)**

This rollover will be reflected in Table 4 of this plan. For administrative purposes, the rollover is recorded in a separate column in Table 4 and is not added to the “available” column—but the rollover amount is, in fact, available for the period in which it is placed.

When the FDO authorizes rollover, he or she will identify the events and specify the conditions the contractor must achieve to earn the rollover amount.

**AWARD FEE AND MISSION SUCCESS FEE PLAN
BASIC PROVISIONS (date)
TABLE 1
FDO, AFRB Members and Performance Monitors**

Fee Determining Official (FDO):

NPOESS Program Director

and in his or her absence—

NPOESS Deputy System Program Director

Award Fee Review Board (AFRB):

Chair—NPOESS Deputy System Program Director

and in his or her absence—

NPOESS Associate Director for Acquisition

Members—

NPOESS Associate Director for Acquisition

NPOESS Associate Director for Operations

NPOESS Associate Director for Technology Transition

NPOESS Deputy Associate Director for Acquisition

IPO Chief Systems Engineer

IPO Director of Program Control

IPO Contracting Officer

Chief of the Contracting Office (SMC/CIK)

Program Counsel (non-voting member)

NPP Project Manager (NASA Goddard Space Flight Center)

IPO NPP Manager

Performance Monitors:

-
-
-
-
-

**AWARD FEE AND MISSION SUCCESS FEE PLAN
BASIC PROVISIONS (date)**

TABLE 2

Award Fee Allocations and Earnings for the Development Effort (CLINs _____)

Period	Dates	(a) Total			(b) Management		(c) Technical		(d) Cost	
		(1) Available	(2) Earned	(3) Roll-Over	(1) Available	(2) Earned	(1) Available	(2) Earned	(1) Available	(2) Earned
1	AUG2002- JAN2003	\$	\$		\$	\$	\$	\$	\$	\$
2	FEB2003- JUL2003	\$	\$	\$	\$	\$	\$	\$	\$	\$
3	AUG2003- JAN2004	\$	\$	\$	\$	\$	\$	\$	\$	\$
4	FEB2004- JUL2004	\$	\$	\$	\$	\$	\$	\$	\$	\$
5	AUG2004- JAN2005	\$	\$	\$	\$	\$	\$	\$	\$	\$
6	FEB2005- AUG2005	\$	\$	\$	\$	\$	\$	\$	\$	\$
7a	SEP2005- AUG2006	\$	\$	\$	\$	\$	\$	\$	\$	\$
8a	SEP2006- AUG2007	\$	\$	\$	\$	\$	\$	\$	\$	\$
9a	SEP2007- AUG2008	\$	\$	\$	\$	\$	\$	\$	\$	\$
10a	SEP2008- AUG2009	\$	\$	\$	\$	\$	\$	\$	\$	\$
11a	SEP2009- AUG2010									
12a	SEP2010- AUG2011									
13a	SEP2011- AUG2012	\$	\$	\$	\$	\$	\$	\$	\$	\$
14a	SEP2012- AUG2013	\$	\$	\$	\$	\$	\$	\$	\$	\$
TOTALS:		\$	\$		\$	\$	\$	\$	\$	\$

NOTES—

**AWARD FEE AND MISSION SUCCESS FEE PLAN
BASIC PROVISIONS (date)**

TABLE 3

Award Fee Allocations and Earnings for the Production Effort (CLINs _____)

Period	Dates	(a) Total			(b) Management		(c) Technical		(d) Cost	
		(1) Available	(2) Earned	(3) Roll-Over	(1) Available	(2) Earned	(1) Available	(2) Earned	(1) Available	(2) Earned
7b	SEP2005- AUG2006	\$	\$		\$	\$	\$	\$	\$	\$
8b	SEP2006- AUG2007	\$	\$	\$	\$	\$	\$	\$	\$	\$
9b	SEP2007- AUG2008	\$	\$	\$	\$	\$	\$	\$	\$	\$
10b	SEP2008- AUG2009	\$	\$	\$	\$	\$	\$	\$	\$	\$
11b	SEP2009- AUG2010	\$	\$	\$	\$	\$	\$	\$	\$	\$
12b	SEP2010- AUG2011	\$	\$	\$	\$	\$	\$	\$	\$	\$
13	SEP2011- AUG2012	\$	\$	\$	\$	\$	\$	\$	\$	\$
14	SEP2012- AUG2013	\$	\$	\$	\$	\$	\$	\$	\$	\$
15	SEP2013- AUG2014	\$	\$	\$	\$	\$	\$	\$	\$	\$
16	SEP2014- AUG2015	\$	\$	\$	\$	\$	\$	\$	\$	\$
TOTALS:		\$	\$		\$	\$	\$	\$	\$	\$

NOTES—

AWARD FEE AND MISSION SUCCESS FEE PLAN
BASIC PROVISIONS (date)
TABLE 4
Notional Mission Success Fee Events and Amounts

Event No.	MISSION SUCCESS EVENT	Available	Earned	Roll-Over
M-1	Critical Design Review Description: Completion of the segment and system CDR with the balance at the closeout of the open CDR action items	\$	\$	
M-2	NPP Sensors Complete and Delivered Description: Successful on-time delivery of the CrIS and on-time delivery of the VIIRS	\$	\$	\$
M-3	NPP Ground Readiness Description: Operational readiness of C3 Segment at MMC; Operational readiness of IDPS at NESDIS; Operational readiness of IDPS at AFWA	\$	\$	\$
M-4	Processing of NPP Data Description: Successful processing and delivery of NPP; calibration/validation of EDR quality	\$	\$	\$
M-5	NPOESS Ground Readiness Description: Operational readiness of C3 Segment at primary and back-up MMC; Operational readiness of IDPS at FNMOC; Operational readiness of IDPS at NAVO	\$	\$	\$
M-6	Processing C1 Data Description: Processing and delivery of C1 Data; Calibration/validation of EDR quality	\$	\$	\$
M-7	Interim Operational Capability Description: Declaration of IOC..	\$	\$	\$
M-8	Satellite C3 On-orbit test	\$	\$	\$
M-9	Satellite C4 On Orbit Test	\$	\$	\$
M-10	Satellite C5 On Orbit Test	\$	\$	\$
M-11	Satellite C6 On Orbit Test	\$	\$	\$
TOTALS:		\$	\$	

NOTES—

TABLE 5
Notional Award Fee Evaluation Criteria

1. MANAGEMENT (35%)

Excellent –

First Period:

- Completion of the Post Award Conference to include the closeout of all action items
- Completion of the requirements allocation down to tier four of the WBS
- All elements of the EVMS on schedule and cost
- Completion of the staffing plan
- Establishment of the program IPT structure
- Systems engineering and management process demonstrated

Second Period

- Design complete for tier four elements
- Tier five and six allocations complete
- All elements of the EVMS on schedule and cost
- Long lead for the satellite complete and ready for contract release
- VIIRS and CrIS on schedule for delivery to NPP
- C3 and IDPS demonstrations to meet NPP need dates are complete
- Staffing plan on target

Fully Satisfactory—

First Period:

- IBR completed and 80% of the action items closed
- Requirements allocation 80% complete
- 90% of the EVMS elements on cost and schedule targets
- 100% of the tier two structure established and 90% of the tier three IPTs and 80% of tier four IPTs Staffing levels 90% complete
- Systems engineering or management process 80% demonstrated

Second Period

- Design 90% complete for tier four elements
- Tier five and six allocations 90% complete
- 90% elements of the EVMS on schedule and cost
- 90% of the long lead for the satellite complete and ready for contract release
- VIIRS and CrIS on schedule for delivery to NPP
- C3 and IDPS demonstrations to meet NPP need dates are complete
- 90% staffing levels are met

Satisfactory—

First Period

- Post Award Conference completed and less than 70% of the action items closed
- Requirements allocation 70% complete
- 80% of the EVMS elements on cost and schedule targets
- 100% of tier two structure established and 80% of tier three IPTs, and 70% of tier four IPTs
- Staffing levels 80% complete
- Systems engineering and management processes 70% demonstrated

Second Period

- Design 80% complete for tier three elements
- Tier five and six allocations 80% complete
- 80% elements of the EVMS on schedule and cost
- 80% of the long lead for the satellite complete and ready for contract release
- VIIRS and CrIS on schedule for delivery to NPP
- C3 and IDPS demonstrations to meet NPP need dates are complete
- 90% staffing levels are met

Marginal—

First Period

- IDR completed and less than 60% of the action items closed
- Requirements allocation 60% complete
- 70% of the EVMS elements on cost and schedule targets
- 100% of tier two structure established and 80% of tier three IPTs, and 60% of tier four IPTs
- Staffing levels 70% complete
- Systems engineering and management processes 60% demonstrated

Second Period

- Design 70% complete for tier three elements
- Tier five and six allocations 70% complete
- 70% elements of the EVMS on schedule and cost
- 70% of the long lead for the satellite complete and ready for contract release
- VIIRS and CrIS on schedule for delivery to NPP
- 80% of the C3 and IDPS demonstrations to meet NPP need dates are complete
- 90% staffing levels are met

Unsatisfactory—

First Period

- Anything less than Marginal in any category

Second Period

Any thing less than Marginal in any category

2. TECHNICAL (35%)

Fully Satisfactory—

Satisfactory—

Marginal—

Unsatisfactory—

3. COST (30%)

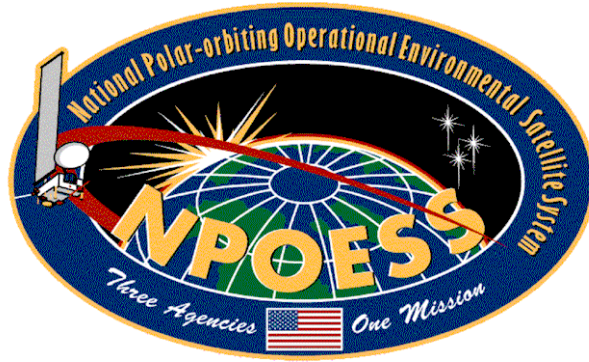
Fully Satisfactory—

Satisfactory—

Marginal—

Unsatisfactory—

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FEE RISK RETIREMENT EXAMPLE

Attachment 4 to RFP F04701-02-R-0500

7 DECEMBER 2001

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FEE RISK RETIREMENT EXAMPLE FOR THE EMD PHASE

This example illustrates the fee risk covenant described in H-521 of the contract., and should be read with that clause.

Sample figures used in this example—	\$1,000,000,000	Value of EMD CLINs
	\$130,000,000	Award Fee Pool for EMD CLINs
	\$50,000,000	Mission Success Fee Pool for EMD CLINs

INITIAL FEE RISK REMOVAL PERIOD

Sample figures—	
\$50,000,000	Award Fee earned through DEC 2006
\$25,000,000	Mission Success Fee earned through DEC 2006

STEP ONE—Determine the Fee Risk Removal Pool for the Initial Period. This is the sum of the Award Fee and Mission Success Fee earned through the start of the period—in this example, it is \$75,000,000.

STEP TWO—Determine the amount available for fee risk removal at each 6-month decision. This is one-tenth of the Fee Risk Removal Pool—in this example, it is \$7,500,000.

STEP THREE—The FDO performs an assessment at each six-month decision, and the fee risk removed is the assessment factored against the amount available for risk removal at that decision. In this example, a 100% success assessment will retire risk on \$7,500,000; a 90% success assessment will retire risk on \$6,750,000; an 80% success assessment will retire risk on \$6,000,000, and so forth.

A illustrative initial period is provided in Table 1. This shows an example where the FDO made 100% success assessments in Jan 2007, Jan 2009, and Jul 2009, with 50% success assessments in every other period.

TABLE 1—INITIAL PERIOD EXAMPLE

	Jan 2007	Jul 2007	Jan 2008	Jul 2008	Jan 2009	Jul 2009
Available:	\$7,500,000	\$7,500,000	\$7,500,000	\$7,500,000	\$7,500,000	\$7,500,000
FDO Assessment:	100%	50%	50%	50%	100%	100%
Fee Risk Removed:	\$7,500,000	\$3,750,000	\$3,750,000	\$3,750,000	\$7,500,000	\$7,500,000
Cumulative Removal:	\$7,500,000	\$11,250,000	\$15,000,000	\$18,750,000	\$26,250,000	\$33,750,000
NOTE: It is not possible to remove the risk on the entire risk removal pool during the initial period—the portion where the risk is not yet removed rolls over into and becomes part of the second period.						

SECOND FEE RISK REMOVAL PERIOD

Sample figures—	
\$72,500,000	Award Fee earned through DEC 2009 (includes the \$50,000,000 earned in the initial period)
\$37,500,000	Mission Success Fee earned through DEC2009 (includes the \$25,000,000 earned in the initial period)

STEP ONE—Determine the Fee Risk Removal Pool for the Second Period. This is the sum of the Award Fee and Mission Success Fee earned through the start of the period (including the fee earned during the initial period), less the fee risk removed during the initial period—in this example, the earned fee is \$110,000,000 and the fee risk removed during the initial period is \$33,750,000, so the fee risk removal pool for the second period is \$76,250,000.

STEP TWO—Determine the amount available for fee risk removal at each 6-month decision. This is one-tenth of the Fee Risk Removal Pool—in this example, it is \$7,625,000.

STEP THREE—The FDO performs an assessment at each six-month decision, and the fee risk removed is the assessment factored against the amount available for risk removal at that decision. In this example, a 100% success assessment will retire risk on \$7,625,000; a 90% success assessment will retire risk on \$6,862,500; an 80% success assessment will retire risk on \$6,100,000, and so forth.

A illustrative initial period is provided in Table 2. This shows an example where the FDO made 100% success assessments in Jan 2007, Jan 2009, and Jul 2009, with 50% success assessments in every other period.

TABLE 2—SECOND PERIOD EXAMPLE

	Jan 2010	Jul 2010	Jan 2011	Jul 2011	Jan 2012	NOTE: This example presumes IOC in Sep 2011, but it could occur earlier or later—in such a case, this period could have more or fewer decisions than illustrated here.
Available:	\$7,625,000	\$7,625,000	\$7,625,000	\$7,625,000	\$7,625,000	
FDO Assessment:	100%	80%	80%	80%	100%	
Fee Risk Removed:	\$7,625,000	\$6,100,000	\$6,100,000	\$6,100,000	\$7,625,000	
Cumulative Removal:	\$7,625,000	\$13,725,000	\$19,825,000	\$25,925,000	\$33,550,000	

FINAL FEE RISK REMOVAL PERIOD

Sample figures—

\$100,000,000	Award Fee earned through December 2009 (includes the \$72,500,000 <u>earned</u> in the initial and second periods)
\$50,000,000	Mission Success Fee earned through December 2009 (includes the \$37,500,000 <u>earned</u> in the initial and second periods)

STEP ONE—Determine the Fee Risk Removal Pool for the Second Period. This is the sum of the Award Fee and Mission Success Fee earned through the start of the period (including the fee earned during the initial and second periods), less the fee risk removed during the initial and second periods—in this example, the earned fee is \$150,000,000 and the fee risk removed during the initial and second periods is \$67,300,000 (\$33,750,000 and \$33,550,000, respectively), so the fee risk removal pool for the second period is \$82,700,000.

STEP TWO—Determine the amount available for fee risk removal at each 6-month decision. This is one-tenth of the Fee Risk Removal Pool—in this example, it is \$8,270,000.

STEP THREE—The FDO performs an assessment at each six-month decision, and the fee risk removed is the assessment factored against the amount available for risk removal at that decision. In this example, a 100% success assessment will retire risk on \$8,270,000; a 90% success assessment will retire risk on \$7,443,000; an 80% success assessment will retire risk on \$6,616,000, and so forth.

A table for the final period is not provided, but the mechanics are identical to those illustrated in the initial and second period examples above. The period will continue with six-month decisions until all the fee risk is retired.

EXAMPLE OVER TIME

Table 3 is provided to illustrate how the fee at risk may be reduced to zero over time, using the sample figures above. The “Perfect Performance” line illustrates the perfect case where a 100% success assessment is made at every January and July decision. The “Sample Performance” line

shows less-than-100% assessments in a few cases to illustrate how fee risk is delayed by less-than-perfect performance but how the risk can yet be reduced to zero by providing a longer period of performance.

TABLE 3—LIFETIME SAMPLES

FEE RISK REDUCTION -- TWO SCENARIOS

1-\$75m, 2-\$110M, 3-\$150M



- ① Perfect performance shows 100% success assessment at every decision.
- ② Sample performance shows the performance illustrated in the example above.
- ③ The initial period has a fee risk removal pool of \$75M. This shows a first decision of 100%, three decisions of 50% (note the changed slope of the line), and two decisions of 100%.
- ④ JAN 2010 starts the second period, and the fee risk removal pool jumps to \$110M. There are three 80% assessments, but it is hard to notice the difference in slope in this printing.
- ⑤ JUL 2012 starts the final period, and the pool jumps to \$150M. This shows two 40% assessments and two 0% assessments (the flat line), and all the others are 100%. Note that all of the fee risk may yet be removed, notwithstanding less-than-perfect assessments early in the program. Less-than-perfect performance is offset by a longer period of useful service.

**Exhibit A
to
RFP F04701-02-R-0500**

Contract Data Requirements List (CDRL)

NPOESS EMD/Production

**NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATELLITE
SYSTEM (NPOESS)**

7 DEC 2001

CONTRACT DATA REQUIREMENTS

Introduction

The offeror shall propose the recommended contractual data required for delivery to the Government in response to this RFP. The offeror shall prepare a Contract Data Requirements List using DD Form 1423 format. In addition, the offeror shall identify all other data being made available to the government and a proposed method of availability (such as via a data accession list). The government's interest in subjects and/or types of data are reflected in the following tables. This list is not intended to be all-inclusive.

Earned value, contract funding, schedule and cost data should be provided to the government using electronic data interchange (EDI) in accordance with the American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12 uniform standards. The transaction set [839/806/196] will be used to exchange these data. Conform to the data format requirements specified in the approved Federal Implementation Convention for this (these) transaction set(s), version release 004010 of the ANSI ASC X12 standards.

All data shall be provided to the government using electronic data interchange whenever possible via a link between the Government's and Contractor's Management Information System or via a Contractor-maintained Electronic Bulletin Board.

The offeror shall provide data in contractor format unless required by a specific data standard.

Contract Data Requirements List

Item	Title	Date Specific	Comments
1.	Integrated Master Schedule		
2.	Technical Data Packages for major demonstrations, simulations, and architectures		Use MIL-DTL-31000A as guidance.
3.	Configuration Management Plan	IBR	Use DI-CMAN-80858A as guidance.
4.	DOC Form 33, 34 and 35 for Transmitter, Receiver and Antenna Characteristics	Awd + 6 mos	
5.	NTIA Stage 3 and Stage 4 Submittal (Certification of Spectrum Support DOC Form NTIA-44	Awd + 6 mos	Provide compliance document for SPS Stage 2 recommendations.
6.	ITU Advanced Publication Forms for Radio Frequency Assignment Plan	Launch – 5 yrs	
7.	Certification and Accreditation Document	90 days prior to NPP launch	Use DoDI 5200.40, DoD Information Technology Security Certification and Accreditation Process as the reference
8.	Security Implementation Plan	IBR	
9.	NPOESS System to External System Interface Control Documents.		Include interfaces to long term archives, NPP, field terminals, centrals, etc.; Government approval required
10.	Facility Master Plan	CDR	Plan shall identify facilities, describe essential characteristics and functional capabilities, assess the potential for their use, and develop long-term strategies for continued support of NPOESS through the use of supporting plans and studies. Supporting plans and studies are detailed documents, which will include, but are not limited to: Identification of the purpose and need for the proposed facilities and Description of the Proposed Action and Alternatives for NEPA compliance purposes. The deliverable must include physical and functional descriptions of all new facilities and ground-based equipment (including backup and alternative facilities) that would be acquired, installed, or constructed for the NPOESS program and the schedule for acquisition, installation, testing, and operation. Maps, charts, and photographs showing the locations of all fixed ground-based facilities must be included.

Item	Title	Date Specific	Comments
			Format should be AutoCAD for figures with text in MS Word.
11.	Facility Drawings		Review construction drawings 90 days prior to construction. Deliver “as built drawings” 30 days after completion using electronic media.
12.	Test and Evaluation Program Plan(s)		Use DI-NDTI-81284 as guidance.
13.	Software Development Plan (SDP)		Contractor format with content as specified by IEEE J-STD-016-1995 is acceptable. Government approval of format and content is required. A required SDP Annex is the Software Capability Risk Mitigation Plan (SCRMP). SCRMP should identify all software team members and assessed CMM level. Should include plan for maintaining/improving CMM capability of all Team Members for life of NPOESS. Use DI-IPSC-81427A as guidance.
14.	Common Data Format Control Book	6 mos prior to NPP launch	Manual for users of NPOESS data (Centrals, field terminal users, and archive users). Updated as necessary for each NPOESS launch.
15.	Technical Manuals	Draft for NPP launch	
16.	Operations and Maintenance Manuals (CLIN 0200)	Draft 8 weeks prior to NPP Launch, Final for NPP launch	
17.	Operations and Maintenance Manuals for NPOESS (CLIN 0200)	Draft 8 weeks prior to NPOESS launch, Final for first NPOESS launch	Updated as necessary for each NPOESS launch or system upgrade.
18.	Operations and Maintenance Manuals for NPOESS (CLIN 2200)	Draft 1 Aug 2008, Final 1 Feb 2009. Update, if required, 6 mos prior to IOC	Updated as necessary for each NPOESS launch or system upgrade

Item	Title	Date Specific	Comments
19.	On orbit Operators Manual (CLIN 0200)	90 days prior to NPP launch , C1 launch, and C2 launch	Updated as necessary for each NPOESS launch or system upgrade
20.	On orbit Operators Manual (CLIN 2200)		Updated as necessary for each NPOESS replenishment satellite
21.	Data Accession List/Internal Data (DAL)	Monthly	Use DI-MGMT-81453 as guidance.
22.	Contract Funds Status Report (CFSR)	EOQ + 20CD	Provided by Government. See attached
23.	Contractor Cost Data Summary Report (CDSR) Form 1921	Top Level IMP Events	Provided by Government. See attached
24.	Functional Cost-Hour Report (FCHR), DD Form 1921-1	Top Level IMP Events	Provided by Government. See attached
25.	Progress Curve Report (PCR), DD Form 1921-2	Top Level IMP Events	Provided by Government. See attached
26.	Contractor Performance Report Formats 1-5, DD 2734	EOM + 20 CD	Provided by Government. See attached.
27.	Environmental, Safety and Health Program Plan	Awd + 90 days	Plan should address steps to comply with the following regulations as a minimum: Environmental Safety Suitability & Effectiveness AFI 63-1201, Environmental Safety Suitability & Effectiveness Plan; NEPA, 40 CFR 1500-1508; NOAA Administrative Order 216-6, AFI 32-7061; Environmental Review EO 12114, NOAA Administrative Order 216-6; AFI 327-61; and Pollution Prevention AFI 32-7080. Use DI-ENVR-81375 as guidance.
28.	Training Plan	IBRfor NPP, 1 Jul 2006 for NPOESS	Plan to provide training and develop course material
29.	Training Materials	90 days after exercising Option (CLIN 2100)	Contractor will provide training. Course material includes instructor lesson plans, student guides, overhead, etc. for initial and follow-on sustainment training
30.	Logistics Support Plan (CLIN 0200)	Draft - award + 90 days, Final 45 days after ILS Conference,	Use DI-ILSS-80395 as guidance.

Item	Title	Date Specific	Comments
		updates as required.	
31.	Thermal models of the CrIS and VIIRS Instruments	Jun 2004	
32.	NASTRAN Finite Element Models of the CrIS and VIIRS Instrument	Jun 2004	
33.	Calibration/Validation Plan		

Data Accession List

Item	Title	Date Specific	Comments
1.	NPOESS System Specification w/updates		
2.	NPOESS Sensor to Spacecraft Interface Control Documents		
3.	NPOESS Segment to Segment Interface Control Documents		
4.	Equipment Drawings		
5.	Parts Control Plan		
6.	NPOESS Space and Launch Support Segment Specifications		
7.	NPOESS C3 and IDP Segment Specifications (including NPP requirements)		
8.	Flight Activation Operations Plan		
9.	Missile System Pre-Launch Safety Plan/Accident Risk Assessment Report	2006	Air Force Eastern/Western Region Regulation 127-1
10.	Environmental Review Document	2004	EO 12114 NOAA Administrative order 216-6
11.	Environmental Due Diligence Assessment	TBD	Comprehensive Environmental Response, Compensation & Liability Act (CERCLA) Sec. 120, DOC Real Property Management Manual, AFI 32-7066
12.	NPOESS Spacecraft Environmental Baseline Survey of Launch-Processing Site	2006	AFI 32-7061
13.	Health Hazard Analysis Reports	Throughout Program	AFI 91-202
14.	Safety Assessment Reports	Throughout Program	

15.	Hazardous Materials Handling Plan	2002	AFI 32-7086, EO 12856
16.	Raw Instrument Data Packets	NPP launch – 15 mos	
17.	IDPS RDR Test Data	NPP launch – 12 mos	

CONTRACT DATA REQUIREMENTS LIST						Form Approved OMB No. 0704-0188				
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.										
A. CONTRACT LINE ITEM NO.			B. EXHIBIT <div style="text-align: center;">A</div>		C. CATEGORY: TDP _____ TM _____ OTHER <u>MISC</u>					
D. SYSTEM/ITEM NPOESS EMD Phase			E. CONTRACT/PR.NO XXXXXXXXXXXXXXXXXX		F. CONTRACTOR					
1. DATA ITEM NO. A023		2. TITLE OF DATA ITEM Contract Funds Status Report (CFSR)				3. SUBTITLE NPOESS EMD CFSR				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81466/T			5. CONTRACT REFERENCE (FILL-IN)			6. REQUIRING OFFICE IPO/ADA				
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY Quarterly		12. DATE OF FIRST SUBMISSION BLK 16				
8. APP CODE N		11. AS OF DATE		13. DATE SUBSEQUENT SUBMISSION BLK 16		14. DISTRIBUTION				
16. REMARKS Block 4 Para 10. A reconciliation of the CFSR and CPR shall be submitted as an attachment to the CFSR. Each submission shall: a) Contain a separate page for each fiscal year (FY) of funds obligated on contract, by CLIN and appropriation. b) Contain a total page for all CLINs, appropriations and FYs. c) CFSR data shall be reconciled to the Government's FY end of 30 September, if the contractor's FY end does not coincide with the Government's. d) Report shall contain forecast by month for the next six months, by quarter for the remaining FY, and by year for the remaining FYs. e) The CFSR shall be submitted electronically each quarter. Block 11 Last day of the contractor's most current accounting period. Block 12 Submit not later than 5th calendar day of the month after the close of the first accounting period following contract award Block 13 Submit not later than the 24th calendar day of the month. Block 14 Paragraph b. Transmittal letter only required for PCO copy.				a. ADDRESSEE		b. COPIES		BLK 16		
						Final				
				Draft		Reg		Rep		
				IPO ADA		1		1		
				PCO		0		1		
				DCMA ACO		0		1		
				SMC/CIP		0		1		
				15. Total		1		2		
G. PREPARED BY				H. DATE		I. APPROVED BY			J. DATE	
17. PRICE GROUP			18. ESTIMATED TOTAL PRICE			Page <u>1</u> of <u>1</u> Pages				

DD FORM 1423-1, JUN 90 (COMPUTER GENERATED) Previous editions are obsolete

CONTRACT DATA REQUIREMENTS LIST						Form Approved OMB No. 0704-0188		
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.								
A. CONTRACT LINE ITEM NO.		B. EXHIBIT <div style="text-align: center;">A</div>		C. CATEGORY: TDP _____ TM _____ OTHER <u>MISC</u>				
D. SYSTEM/ITEM NPOESS EMD Phase		E. CONTRACT/PR.NO XXXXXXXXXXXX		F. CONTRACTOR				
1. DATA ITEM NO. A024	2. TITLE OF DATA ITEM Cost Data Summary Report (CDSR), DD Form 1921			3. SUBTITLE NPOESS EMD CDSR				
4. AUTHORITY (Data Acquisition Document No.) DI-FNCL-81565/T		5. CONTRACT REFERENCE (FILL-IN)			6. REQUIRING OFFICE IPO/ADA/Program Control			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED		10. FREQUENCY BLK 16	12. DATE OF FIRST SUBMISSION BLK 16		14. DISTRIBUTION		
8. APP CODE N	F		11. AS OF DATE BLK 16	13. DATE SUBSEQUENT SUBMISSION BLK 16		a. ADDRESSEE		
16. REMARKS <u>Block 4 (cont)</u> Reporting levels shall be in accordance with the Contract Cost Data Reporting Data Plan (CCDRDP), pages 2 through 4 of CDRL A024, and the CWBS. The approved CCDRDP will be provided to the contractor 30 days after contract award. The contractor will map the SWBS Annex A to Section L reporting levels to the CWBS no later than 60 days after contract award. <u>Block 10, 11, 12, & 13</u> Submissions shall be prepared in accordance with the approved CCDRDP provisions, the WBS data dictionary and the CCDR manual. The CCDR Manual may be obtained from the CCDR WEB site at http://ccdr.pae.osd.mil . CCDR data is still required when this procurement becomes a firm fixed price contract. <u>Block 14 (cont)</u> Submissions to the addressees shall be prepared in accordance with the approved CCDRDP provisions for CCDR Report Media.				b. COPIES		BLK 16		
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17. PRICE GROUP		18. ESTIMATED TOTAL PRICE			Page <u>1</u> of <u>3</u> Pages			

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NPOESS EMD Phase Contractor Cost Data Reporting (CCDR) Data Plan

This plan describes the requirements of the contractor cost reporting system for the NPOESS EMD contract.

The contractor shall furnish the cost data reports described below. The table in Annex A to Section L&M of the RFP details the work breakdown structure (WBS) elements. The reporting level of the Contractor WBS (CWBS) shall be at least one level below the lowest level provided in the WBS. The WBS element dictionary is also contained the Annex A to Section L&M of the RFP.

The latest version of the Contract Cost Data Reporting (CCDR) Manual, located at the CCDR WEB site (<http://ccdr.pae.osd.mil>) provides the specific instructions presented in this plan and provides the guidance for cost reporting of the reports listed below.

Work Breakdown Structure.

The work breakdown structure (WBS) will be the central mechanism for describing this program's content. MIL-STD-881B, "Work Breakdown Structures for Defense Materiel Items," serves as the basis for developing the WBS. Additionally, the IPO has identified specific reporting elements based on management interest in cost, risk and technology. The contractor shall deliver a contract WBS to the Government that represents the entire effort for the contract as specified by this contract. The contractor is free to extend WBS elements below the agreed upon reporting levels to reflect how the work will be performed and managed. If the contractor does not provide under this contract any WBS element(s) listed, the Contractor should indicate that element with an "NA" (Not Applicable) on the initial report and the WBS element may be omitted from subsequent submissions. However, if during the performance of this contract the WBS element becomes applicable, costs for the WBS element must be segregated and reported. The contractor shall deliver a contract WBS to the Government that represents the entire effort for the contract.

CCDR Reporting.

The requirement for cost data reports applies to each major contractor and/or subcontractor for all elements of the WBS for which each is wholly or partially responsible. The prime contractor is expected to collect and validate all submission from subcontractors and team members. This will include a separate submission from each partner in a teamed effort, as well as a submission for the team as a single entity.

All non-recurring tooling costs shall be reported as annotated for each WBS element at the element at the level incurred and not at the level of the agreed-to-billing to the government.

The prime contractor(s) or team(s) shall provide separate detailed purchased equipment listings of the CFE items for each level 3/4 element in the entire work breakdown structure. These lists shall provide the quantity, cost, and nomenclature for each item, and shall be submitted with the initial CCDR reports and at contract completion. To ensure proper traceability the summation of cost information each of these lists must equal those purchased equipment costs reported on the DD Form 1921-1 form.

The information provided for same-level WBS elements should sum to the Total Cost (or Hours) for the Total Project. For each WBS element for which a Functional Cost-Hour report (DD Form 1921-1) is indicated, separate submittals for Non-Recurring and Recurring are required in accordance with the CCDR Manual . A separate DD Form 1921-1 for Total is not required for those WBS elements which have only Non-Recurring or only Recurring Costs. For these WBS elements, on DD Form 1921-1 indicated a Non-Recurring/Total or Recurring/total should be submitted.

Each contractor shall submit the following three report formats:

1921 Report (Cost Data Summary Report). This report aggregates actual costs and units produced against WBS elements and categorizes them as either recurring or non-recurring costs. Overhead expenses

(e.g., general and administrative expenses, profit fee) are not included in the WBS element costs and are reported separately at the bottom of the report. (Reference CDRL A025)

1921-1 Report (Functional Cost Hour Report). This report displays actual costs by functional category (i.e., engineering, tooling, quality control, manufacturing, and other): each functional area is broken out by direct labor hours and cost category (e.g., direct labor, material, overhead). General and administrative (G&A) expenses and profits or fees are reported separately. (Reference CDRL A026)

1921-2 Report (Progress Curve Report) This report shows, for selected reporting elements only actual and estimated to complete recurring costs (only) by unit or lot. (Reference CDRL A027)

Reporting Frequency.

The reporting frequency will be tied to significant events in the life of the contract. The contractor shall submit reports for elements denoted as "AR," "CC," or "A" on the frequency based on a mapping, which shall be approved by the Government, of the CWBS to the table listed in the Sensor Work Breakdown Structure (SWBS) in Annex A to Section L of the CFI. The contractor will make the initial submission within 90 days after contract award. Subsequent submissions will be made within 60 days of the following events: CDR, Test Readiness Review, Functional Configuration Audit, Physical Configuration Audit, EDU completion, Formal Qualification Review and final delivery of each flight unit. The contractor shall submit a final report within 60 days after all effort under the contract is completed.

- A: Annual Submission (End of Contractor's fiscal year)
- AR: As Required - reporting by milestones and major events
- CC: Contract Completion

CCDR Report Media.

CCDR data will be prepared in accordance with Data Item Description of the specific report as listed in Block 4 of each of the CCDR data CDRLs and formatted as prescribed by the Electronic Data Interchange (EDI) transaction set 196 format. Information on this transaction set may be obtained from <http://www.antd.nist.gov/fededi> (select version 3050 or as a linked site at the CCDR site shown above). The contractor will submit EDI-formatted reports to by the following methods:

- a) through a commercial Value Added Network (VAN) to the CCDR-Project Office VAN account at the Defense Automatic Addressing Systems Center:
CCDR-Project Office
P.O. Box 005
1111 Jefferson Davis Highway
Arlington, VA 22202
- b) to the IPO through normal IPO electronic data exchange procedures

A transmittal letter is only required for the PCO copy.

CONTRACT DATA REQUIREMENTS LIST						Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO.		B. EXHIBIT <div style="text-align: center;">A</div>		C. CATEGORY: TDP _____ TM _____ OTHER MISC _____			
D. SYSTEM/ITEM NPOESS EMD Phase			E. CONTRACT/PR.NO XXXXXXXXXXXX		F. CONTRACTOR		
1. DATA ITEM NO. A025		2. TITLE OF DATA ITEM Functional Cost-Hour Report (FCHR), DD Form 1921-1			3. SUBTITLE NPOESS EMD FCHR		
4. AUTHORITY (Data Acquisition Document No.) DI-FNCL-81566/T			5. CONTRACT REFERENCE (FILL-IN)		6. REQUIRING OFFICE IPO/ADA/Program Control		
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY BLK 16		12. DATE OF FIRST SUBMISSION BLK 16	
8. APP CODE N		F		11. AS OF DATE BLK 16		13. DATE SUBSEQUENT SUBMISSION BLK 16	
14. DISTRIBUTION				b. COPIES BLK 16			
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16. REMARKS <u>Block 4 (cont)</u> Reporting levels shall be in accordance with the Contract Cost Data Reporting Data Plan (CCDRDP), pages 2 through 4 of CDRL A024, and the CWBS. The approved CCDRDP will be provided to the contractor 30 days after contract award. The contractor will map the SWBS Annex A to Section L reporting levels to the CWBS no later than 60 days after contract award. <u>Block 10, 11, 12, & 13</u> Submissions shall be prepared in accordance with the approved CCDRDP provisions, the WBS data dictionary and the CCDR manual. The CCDR Manual may be obtained from the CCDR WEB site at http://ccdr.pae.osd.mil . CCDR data is still required when this procurement becomes a firm fixed price contract. <u>Block 14 (cont)</u> Submissions to the addressees shall be prepared in accordance with the approved CCDRDP provisions for CCDR Report Media.				IPO Program Control		0 1 0	
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A. CONTRACT LINE ITEM NO.			B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER <u>MISC</u>											
D. SYSTEM/ITEM NPOESS EMD Phase			E. CONTRACT/PR.NO XXXXXXXXXXXX		F. CONTRACTOR											
1. DATA ITEM NO. A027		2. TITLE OF DATA ITEM Progress Curve Report (PCR), DD Form 1921-2			3. SUBTITLE NPOESS EMD PCR											
4. AUTHORITY (Data Acquisition Document No.) DI-FNCL-81567A/T			5. CONTRACT REFERENCE (FILL-IN)		6. REQUIRING OFFICE IPO/ADA/Program Control											
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16. REMARKS Block 4 (cont) Reporting levels shall be in accordance with the Contract Cost Data Reporting Data Plan (CCDRDP), pages 2 through 4 of CDRL AO25, and the CWBS. The approved CCDRDP will be provided to the contractor 30 days after contract award. The contractor will map the SWBS Annex A Section L reporting levels to the CWBS no later than 60 days after contract award. Block 10, 11, 12, & 13 Submissions shall be prepared in accordance with the approved CCDRDP provisions, the WBS data dictionary and the CCDR manual. The CCDR Manual may be obtained from the CCDR WEB site at http://ccdr.pae.osd.mil . CCDR data is still required when this procurement becomes a firm fixed price contract. Block 14 (cont) Submissions to the addressees shall be prepared in accordance with the approved CCDRDP provisions for CCDR Report Media.						IPO Program Control		0	1	0						
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A. CONTRACT LINE ITEM NO.		B. EXHIBIT <div style="text-align: center;">A</div>		C. CATEGORY: TDP _____ TM _____ OTHER MISC _____				
D. SYSTEM/ITEM NPOESS EMD Phas			E. CONTRACT/PR.NO XXXXXXXXXX		F. CONTRACTOR			
1. DATA ITEM NO. AO _____		2. TITLE OF DATA ITEM Cost Performance Report (CPR)			3. SUBTITLE NPOESS EMD CPR			
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81466/T			5. CONTRACT REFERENCE (FILL-IN)		6. REQUIRING OFFICE IPO/ADA			
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY Monthly		12. DATE OF FIRST SUBMISSION BLK 16		
8. APP CODE N		11. AS OF DATE BLK 16		13. DATE SUBSEQUENT SUBMISSION BLK 16		14. DISTRIBUTION		
16. REMARKS				a. ADDRESSEE		b. COPIES		
Block 4: a. The CPR shall be submitted electronically, using the ANSI ASC X.12, Transaction Set 839 Version 3050. b. Report direct at the CWBS reporting level. c. A reconciliation of the CPR and the CFSR shall be submitted quarterly as an attachment to the CFSR. d. For Format 5, the contractor shall provide the top five (5) reporting level cumulative negative cost drivers in dollars (ranked in descending order of criticality). Each report shall discuss technical status of these drivers. This discussion shall include current status (changes since last month), potential impacts to cost or schedule (positive or negative), anticipated problem solution, and the current projected cost at completion for each element. Also, all of the cumulative negative cost variance drivers greater than negative 10% and \$100K should also be reported and discussed. In addition, the contractor should provide a narrative discussion of any positive cost variances that would make the top 5 cost drivers if included. e. For Format 5, the contractor shall provide the cumulative negative schedule drivers (ranked in descending order of criticality) that are on the critical path. Each report shall discuss technical and schedule status of these drivers. This discussion shall include current status (changes since last month), potential impacts to schedule, and the anticipated problem solution. In addition, any elements, which reported a significant (current drivers with equal to or greater than 10% and \$50K) positive or negative variance change, should also be reported and discussed. f. The Government reserves the right to modify, increase or decrease both the initial listing as well as the updates. In addition, the Government reserves the right to request additional information for those reporting level WBS elements (not included in the top 5 list) that have experienced significant shifts in status from previous months. Block 11 Last day of the contractor's most current accounting period. Block 12 Submit not later than 5th work day of the month after the close of the first accounting period following contract award Block 13 Formal submittal of the CPR (Formats 1 – 5) will be submitted by the 20 th calendar of the particular month. Block 14 Transmittal letter only required for PCO				IPO ADA PCO DCMA ACO SMC/CIP		1 0 1 1	1 1 1 1	0 0 0 0
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